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• • • • • 43rd Year in Pasadena

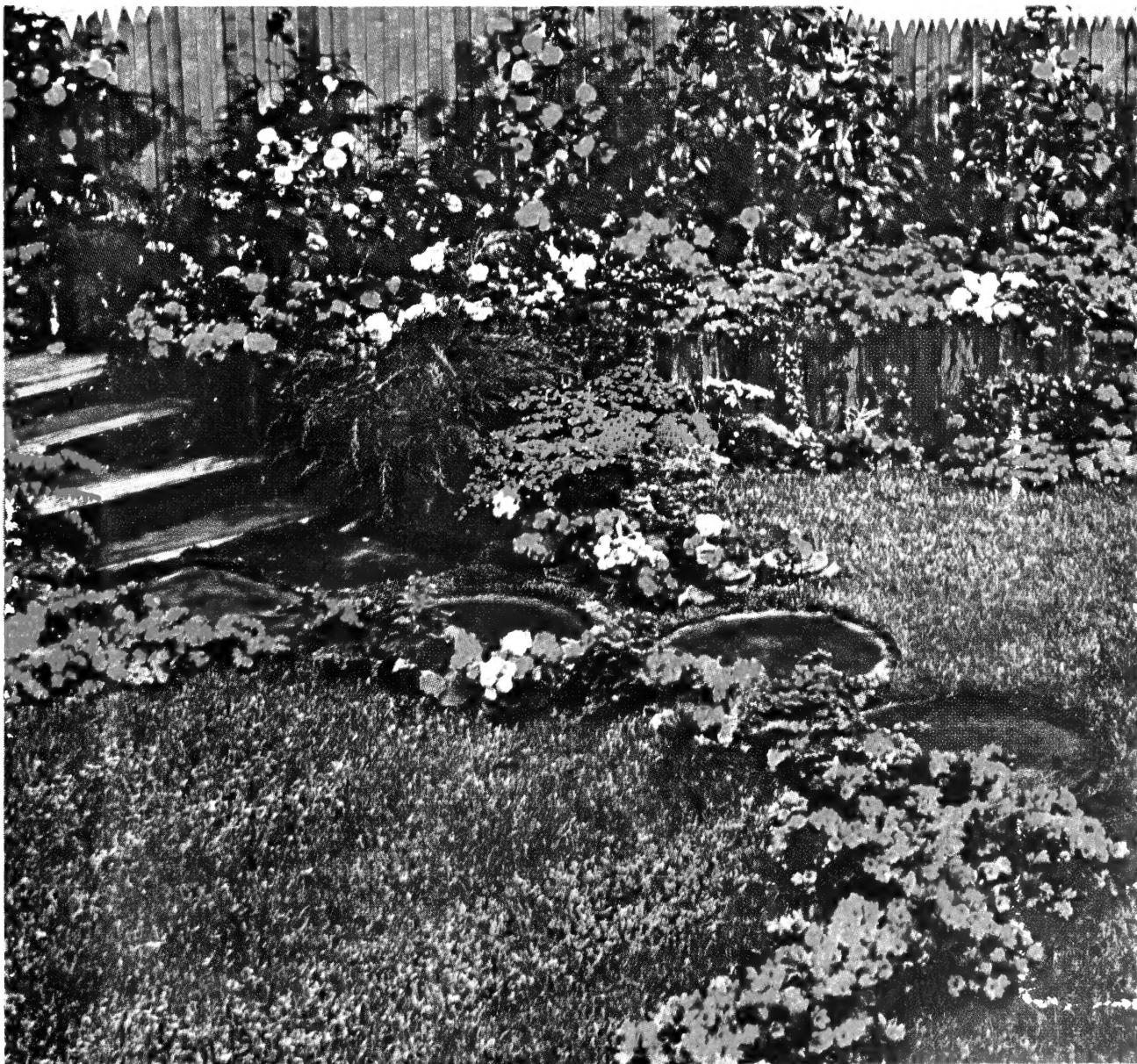
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★ JAN 31 1951 ★

U. S. Department of Agriculture

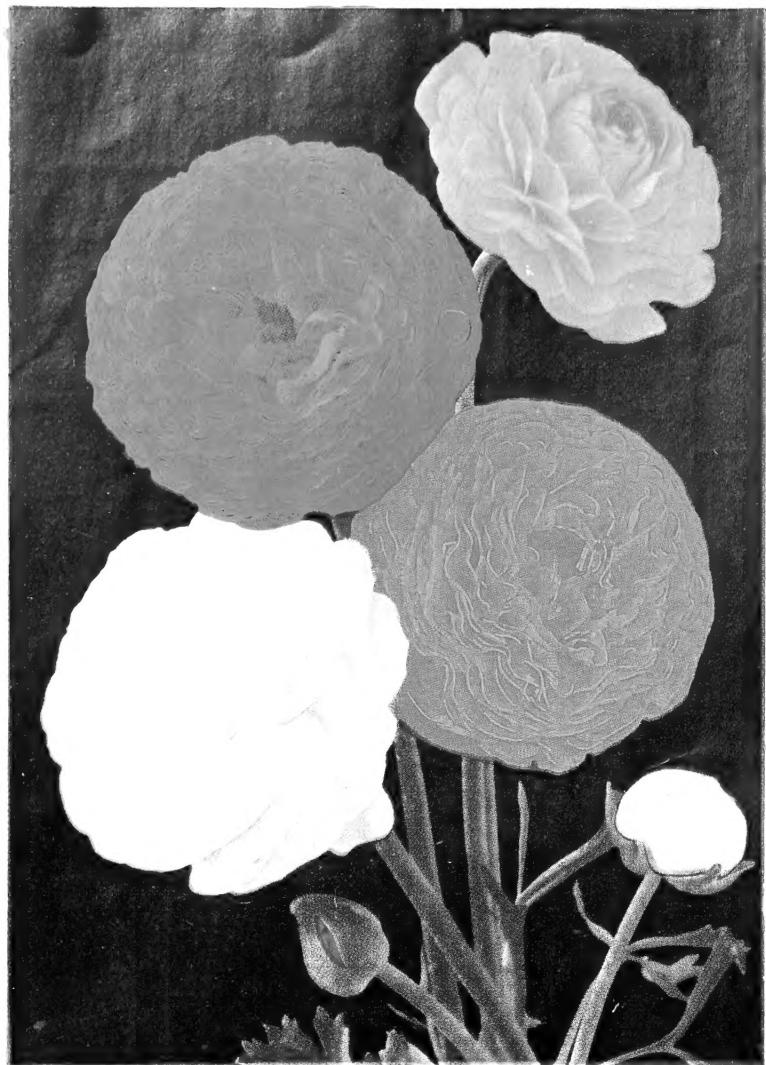
CAMPBELL SEED STORE

137 West Colorado Street, PASADENA 1, CALIF.



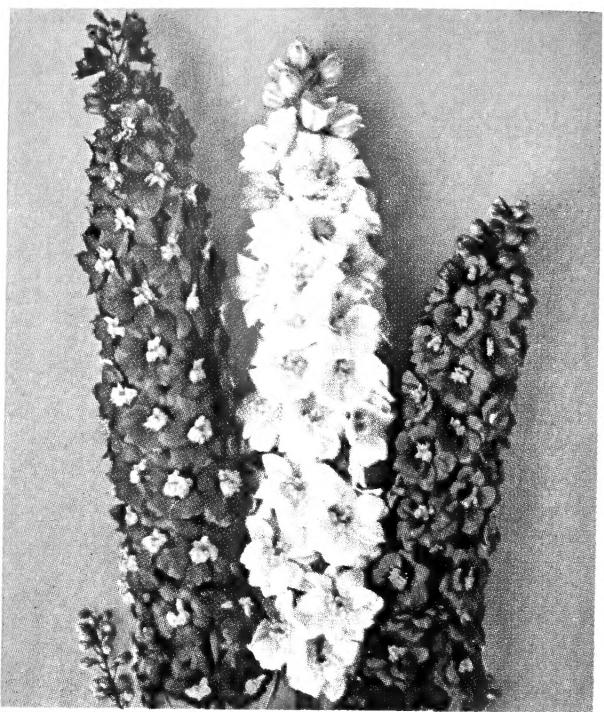
1951

CATALOG



RANUNCULUS

The very double Tecolote Giant strain grows well from seed. It produces quantities of beautiful blooms in early spring and the bulbs increase for fall replanting. Pkt. 25c.



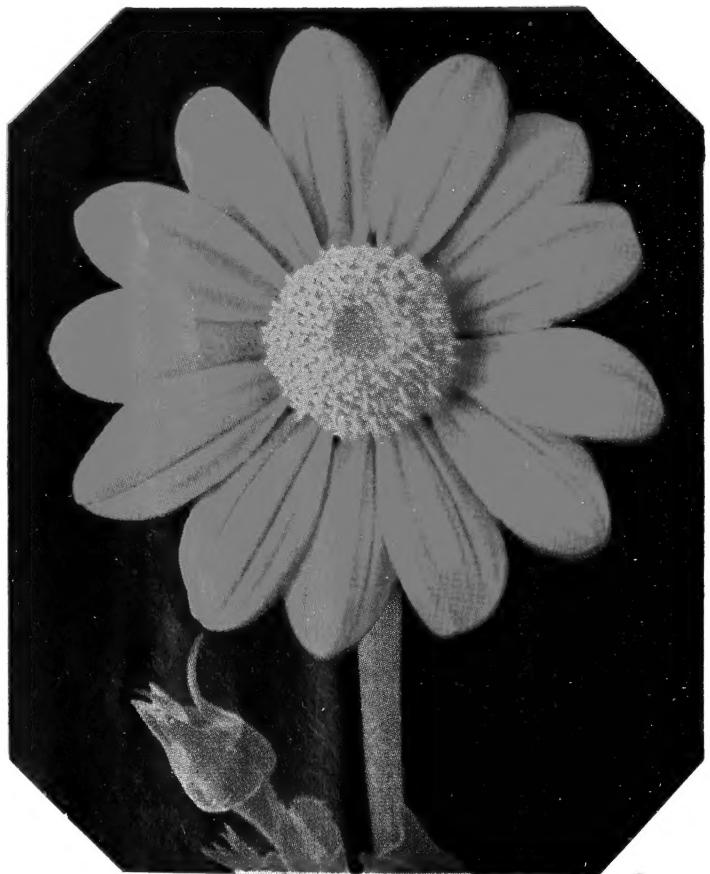
DELPHINIUM

New Pacific Giant Hybrids, with huge flowers on beautifully balanced spikes, white, wonderful blues, and the new rose shades. Pkt. 50c and 75c.



MARIGOLD GLITTER

The best of the popular Chrysanthemum-flowered Marigolds. The blooms are golden balls for sunny fall bloom. Pkt. 15c.



TITHONIA TORCH

Top winner in the All American Selections for '51. Torch blooms from August till winter. Best of all it is only waist high. Pkt. 25c.

SPECIALTIES FOR 1951

DELphinium astolat

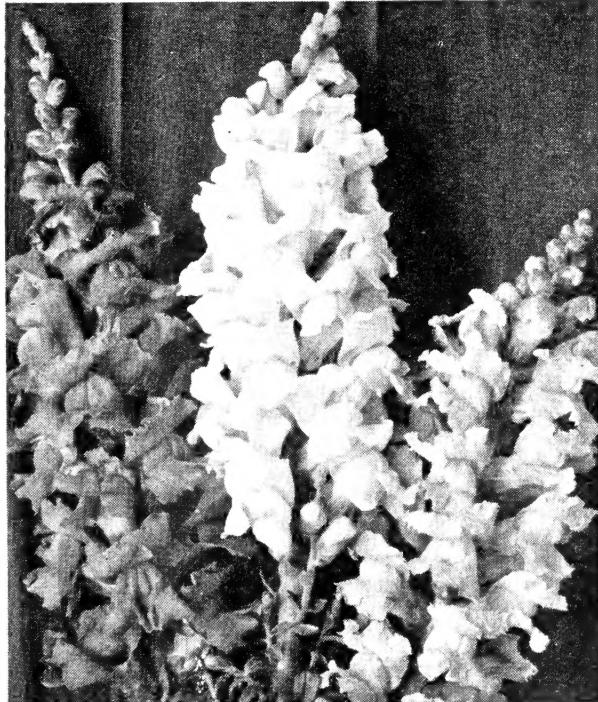
The first of a group of entirely new shades, with which the hybridist has been working for many years. The color variation extends from blush pink through lilac pink to deep raspberry rose. This is another of Vetterle and Reinelt's Pacific Hybrids. Originator's seed. Pkt. 75c.

Tithonia torch

Top winner in All-America selections for 1951. The brilliant flame red flowers bloom from August till cold weather. Thithonia is easily grown and thrives on heat. The plant is a new compact, waist high type so desirable for garden effects and cutting. Pkt. 25c.



ZINNIA, PEPPERMINT STICK



SNAPDRAGON, NARAMEK

African violet

The deep violet blue Saintpaulia is a favorite pot plant. This fine strain is grown by a European specialist. Growing instructions are sent with the seed. Pkt. 50c.

ZINNIA PEPPERMINT STICK

A new zinnia type with fascinating color stripe combinations, red and white, red and yellow, pink and white, orange and yellow, purple and white. It is a "cut and come again" variety which blooms constantly. Pkt. 25c.

SNAPDRAGON NARAMEK

A 1951 introduction, this strain is striking for beautiful extra-size blooms, long, thick flower spikes, and very tall strong plants. The color range includes many unusual two-tone effects. Pkt. 25c.

CLIMBING PANSY

An unusual Pansy which can be trained to a height of 3 or 4 feet. It was first a florist development for length of stem and abundance of flowers, and now is popular for trellis growing in garden or sun room. It also trails gracefully from pots, hanging baskets and window boxes. Pkt. 50c.

CLEOME HELEN CAMPBELL

At last a tall vigorous pure white companion to Pink Queen. Beautiful landscaping effects can be obtained by interplanting the two colors. They will bloom all summer virtually disease and pest free. Pkt. 25c.

Campbell's have been offering outstanding new introductions for years.

The seven listed here for 1951 you will really love. And you may have
the 7 for only.....

\$2.50

A \$2.75 Value



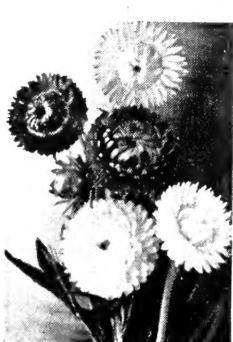
CLIMBING PANSY

Campbell's Simplified Planting Chart for Flowers

NAME	Sow	Where	Bloom	Height	NAME	Sow	Where	Bloom	Height
<i>Acroclinium</i>	Nov.-March	Open	April-July	1½ ft.	<i>Helianthus</i>	Dec.-April	Flat	Summer	4-10 ft.
<i>Agathaea</i>	March-Aug.	Flat	All Year	1½ ft.	<i>Helichrysum</i>	Oct.-May	F-O	April-Sept.	3 ft.
<i>Ageratum</i>	Feb.-Aug.	Flat	June-Oct.	½-2 ft.	<i>Heliotrope</i>	Feb.-May	Flat	June-Nov.	3 ft.
<i>Agrostemma</i>	March-Sept.	Flat	June-July	2 ft.	<i>Heuchera</i>	July-March	Flat	May-Aug.	1½ ft.
<i>Alyssum Sweet</i>	Anytime	Open	All Year	6 in.	<i>Hollyhock</i>	Feb.-Aug.	F-O	June-Sept.	5 ft.
<i>Amaranthus</i>	March-June	F-O	Summer	3-4 ft.	<i>Hunnemannia</i>	Nov.-April	F-O	June-Sept.	2 ft.
<i>Alyssum</i>	March-June	Flat	April-May	10 in.	<i>Iberis</i>			Feb.-June	1 ft.
<i>Anagallis</i>	March-June	Open	May-Aug.	8 in.	<i>Impatiens</i>	March-June	Flat	June--Oct.	1½ ft.
<i>Anchusa</i>	March-July	F-O	Summer	2 ft.	<i>Kochia</i>	Jan.-June	Open	Foliage	2-3 ft.
<i>Anemone</i>	July-Nov.	F-O	March-April	8 in.	<i>Lantana</i>	Jan.-April	Flat	May-Nov.	1-5 ft.
<i>Antirrhinum</i>	July-Feb.	Flat	Jan.-July	½-4 ft.	<i>Lathyrus</i>	Nov.-May	Open	June-Aug.	
<i>Aquilegia</i>	April-Aug.	Flat	May-July	3 ft.	<i>Larkspur</i>	Sept.-March	Open	April-July	3-5 ft.
<i>Arabis</i>	Anytime	Flat	Feb.-April	8 in.	<i>Lavender</i>	Oct.-March	Flat	April-June	2 ft.
<i>Arctotis</i>	Anytime	Flat	All Year	½ ft.	<i>Lepisyne</i>	Sept.-Apr.	Open	April-Sept.	1½ ft.
<i>Aster</i>	Feb.-June	Flat	July-Sept.	2½ ft.	<i>Linaria</i>	Sept.-May	Open	Jan.-Aug.	15 in.
<i>Aster, Per</i>	Feb.-June	Flat	Sept.-Nov.	2 ft.	<i>Linum rubrum</i>	Anytime	Open	All Year	2 ft.
<i>Aubretia</i>	Jan.-May	Flat	Feb.-April	6 in.	<i>Lobelia</i>	Jan.-May	Flat	May-Nov.	4 in.
<i>Balsam</i>	March-May	F-O	June-Sept.	1½ ft.	<i>Lupinus</i>	Dec.-April	Open	March-July	1-3 ft.
<i>Bartsia</i>	Nov.-April	Open	March-July	2 ft.	<i>Marigold</i>	Jan.-July	Flat	July-Nov.	1-3 ft.
<i>Begonia</i>	Jan.-May	Glass	All Year	6 in.	<i>Matricaria</i>	Dec.-April	Flat	June-Nov.	1-2 ft.
<i>Bellis</i>	Oct.-April		Feb.-Aug.	6 in.	<i>Matioliola</i>	Jan.-July	Open	June-Sept.	2 ft.
<i>Brachycome</i>	Nov.-April	Open	March-July	10 in.	<i>Mignonette</i>	Anytime	Open	All Year	1 ft.
<i>Browallia</i>	Sept.-March	Open	Jan.-June	1 ft.	<i>Mimulus</i>	March-June	Flat	May-Aug.	10 in.
<i>Calceolaria</i>	Aug.-Dec.	Glass	Jan.-May.	1 ft.	<i>Mina lobata</i>	Feb.-May	Open	Aug.-Nov.	
<i>Calendula</i>	July-March	Flat	Dec.-June	2 ft.	<i>Morning Glory</i>	March-June	Open	June-Nov.	
<i>Campanula</i>	April-July	Flat	May-July	3 ft.	<i>Myosotis</i>	Aug.-Oct.	F-O	Feb.-June	1 ft.
<i>Calliopsis</i>	March-July	Open	June-Oct.	1-3 ft.	<i>Nasturtium</i>	Anytime	Open	Jan.-Aug.	10 in.
<i>Candytuft</i>	Nov.-May	Open	March-Aug.	1 ft.	<i>Nemesia</i>	Oct.-April	F-O	Feb.-June	1 ft.
<i>Carnation</i>	Oct.-April	Flat	May-Oct.	1½ ft.	<i>Nemophila</i>	Oct.-May	Open	Jan.-Aug.	10 in.
<i>Celosia</i>	March-May	Flat	July-Oct.	1-2 ft.	<i>Nicotiana</i>	Oct.-June	Open	Feb.-June	1 ft.
<i>Centaurea</i>	Nov.-May	F-O	March-Aug.	1-3 ft.	<i>Nierembergia</i>	Jan.-April	Flat	March-June	6 in.
<i>Cheiranthus</i>	Sept.-March	F-O	March-Aug.	1 ft.	<i>Pansy</i>	July-Dec.	Flat	Oct.-July	6 in.
<i>Chrysanthemum</i>	Feb.-May	Flat	Sept.-Dec.	3 ft.	<i>Penstemon</i>	Aug.-Nov.	Flat	March-Nov.	2 ft.
<i>Cineraria</i>	June-Oct.	Flat	Feb.-June	1-3 ft	<i>Petunia</i>	Jan.-July	Flat	Mar.-Nov.	6-30 in.
<i>Clarkia</i>	Nov.-April	Open	April-July	2 ft.	<i>Phacelia</i>	Nov.-April	Open	March-July	1-2 ft.
<i>Cleome</i>	Feb.-May	Open	June-Oct.	4 ft.	<i>Phlox Drummondii</i>	Jan.-Jul y	F-O	April-Nov.	1 ft.
<i>Cobaea</i>	Feb.-May	Open	July-Aug.		<i>Poppy, Iceland</i>	Aug.-March	F-O	Jan.-July	1½ ft.
<i>Coleus</i>	Feb.-May	Glass	Foliage	1-2 ft.	<i>Poppy, Shirley</i>	Nov.-May	Open	March-July	1½ ft.
<i>Collinsia</i>	Nov.-April	Open	March-June	15 in.	<i>Portulaca</i>	Feb.-May	F-O	June-Oct.	6 in.
<i>Cosmos</i>	March-July	Open	June-Oct.	3-5 ft.	<i>Primula poly.</i>	Nov.-May	Flat	March-May	6 in.
<i>Coreopsis</i>	Nov.-March	Flat	May-Aug.	3 ft.	<i>Primula malac.</i>	May-Oct.	Flat	Dec.-May	1 ft.
<i>Cyclamen</i>	June-Aug.	Flat	Oct.-May	1 ft.	<i>Pyrethrum</i>	Sept.-May	Flat	March-June	1½ ft.
<i>Cynoglossum</i>	Oct.-March	F-O	March-July	2 ft.	<i>Ranunculus</i>	July-Nov.	F-O	Feb.-May	1 ft.
<i>Cypress Vine</i>	March-May	Open	July-Sept.		<i>Rudbeckia</i>	Aug.-May	Flat	Aug.-Nov.	2 ft.
<i>Dahlia</i>	Feb.-May	F-O	July-Oct.	1-6 ft.	<i>Saintpaulia</i>	Anytime	Glass	All Year	6 in.
<i>Delphinium</i>	Anytime	Flat	April-Oct.	5 ft.	<i>Salpiglossis</i>	Nov.-May	F-O	April-Sept.	2 ft.
<i>Dianthus</i>	Feb.-May	Flat	All Year	1 ft.	<i>Salvia</i>	Feb.-May	Flat	June-Sept.	1-2 ft.
<i>Didiscus</i>	Feb.-May	F-O	June-Sept.	2½ ft.	<i>Sanvitalia</i>	Jan.-May	Open	Summer	6-12 in.
<i>Digitalis</i>	March-June	Flat	April-July	4 ft.	<i>Saponaria</i>	Feb.-April	Open	April-July	2 ft.
<i>Dimorphotheca</i>	Anytime	F-O	Nov.-June	1 ft.	<i>Scabiosa</i>	Oct.-May	F-O	Mar.-Sept.	2½ ft.
<i>Eschscholtzia</i>	Aug.-March	Open	Jan.-May	1 ft.	<i>Schizanthus</i>	Nov.-May	F-O	Mar.-July	1½ ft.
<i>Four o'Clock</i>	Oct.-April	F-O	Summer	1-2 ft.	<i>Shasta Daisy</i>	Anytime	Flat	May-Aug.	2 ft.
<i>Gaillardia</i>	Sept.-April	Flat	March-Sept.	2 ft.	<i>Statice</i>	Anytime	Flat	All Year	2 ft.
<i>Gazania</i>	April-July	Flat	Summer	6 in.	<i>Stevia</i>	Jan.-May	F-O	Dec.-May	2 ft.
<i>Gerbera</i>	Anytime	Flat	All Year	1½ ft.	<i>Stock</i>	July-March	Flat	Dec.-June	2 ft.
<i>Geum</i>	July-Sept.	Flat	April-July	1-2 ft.	<i>Stokesia</i>	Dec.-April	Flat	July-Sept.	2 ft.
<i>Gilia</i>	Nov.-May	Open	June-Oct.	1 ft.	<i>Streptocarpus</i>	Nov.-March	Glass	April-Oct.	6 in.
<i>Gloxinia</i>	Jan.-April	Glass	March-Aug.	1-2 ft.	<i>Sweet William</i>	Oct.-May	Flat	April-July	1½ in.
<i>Godetia</i>	Nov.-May	Open	July-Oct.		<i>Thalictrum</i>	Oct.-May	Flat	Aug.-Sept.	4 ft.
<i>Gourds</i>	March-June	Open	All Year	2 ft.	<i>Tithonia</i>	March-June	F-O	Sept.-Nov.	6-8 ft.
<i>Gypsophila</i>	Anytime	F-O			<i>Torenia</i>	Feb.-June	Flat	July-Oct.	9 in.



ARCTOTIS GRANDIS



HELICHRYSUM



EUPHORBIA

<i>Valeriana</i>	Dec.-April	F-O	June-Sept.	2½ ft.
<i>Venidium</i>	Jan.-May	F-O	March-July	2 ft.
<i>Verbena</i>	Dec.-Aug.	F-O	March-Nov.	1 ft.
<i>Vinca</i>	Feb.-April	Flat	May-Nov.	1 ft.
VINES	Feb.-May	Open	Summer	5-10 ft.
<i>Viola</i>	July-March	Flat	Oct.-June	6 in.
<i>Violet</i>	Sept.-May	Flat	Jan.-May	6 in.
<i>Virginian Stock</i>	Oct.-May	Open	Jan.-July	1 ft.
<i>Viscaria</i>	Oct.-April	F-O	April-June	

ZINNIA

<i>Wallflower</i>	Sept.-March	F-O	Jan.-June	1½ ft.
<i>Zinnia</i>	F-O	Feb.-July	June-Nov.	1-3 ft.

Campbell's DEPENDABLE SEEDS

Since 1907 Campbell's Seeds have been collected from the best possible sources of the world, rare-plant specialists, foreign companies old enough to be traditions, and the wide, sunny valleys of California. They have been growing their own reputations in gardens all over the United States. Let them grow a reputation for You and Your Garden.

All seeds and books sent postpaid; prices of roots and plants do not include postage. All prices subject to change without notice.

Directions and advice are part of our service. Call on us when you want to hire a gardener.

Ask for our Bulb List, ready by mid-August.

Should you not find the certain variety of seed you want in this catalog, ask us for it. We are in touch with the leading growers in this country and can obtain kinds not in stock in from 3 to 10 days, if they are available.

In the brief descriptions of flower seeds that follow we have compiled much information for most of them, such as germination period, time best for sowing, duration of plants (whether perennial) (Per.), plants growing and flowering for several years; biennial (Bien.), growing the first year to flower and die the second, and annual (assumed to be the duration if no other habit is indicated), and notes on culture. The colors found in each genus indicates the normal color range but need not infer that all these are available in separate colors.

FLOWER SEEDS

ABRONIA umbellata, Sand Verbena. a-broh'-ni-a. Full Sun.

Rosy-lilac, verbena-like flowers, fragrant at night; trailer for sunny rockery or window box. Sow November to April. Pkt. 10c.

AGATHEA

Clear blue with yellow disk; splendid for small bouquets; good border or low hedge; 1 to 2 feet high. Sow March to Aug. Pkt. 10c.

ACERATUM mexicanum, Floss Flower. a-jer-ay'-tum.

Blue, feathery flowers in clusters; very free blooming all Summer and Fall. Sow February to June. Germination period 14 days.

Midget Blue. 3 inches. Pkt. 15c.

Blue Ball Improved. 6 inches. Pkt. 15c.

Fairy Pink. Rose-pink, 4 inches. Pkt. 15c.

ALSTROEMERIA. Per. al-stre-me'ri-a. Sun.

Peruvian Lily. Bright attractively striped flowers growing on a strong shrubby plant 2-3 feet tall. Lasting as cut flowers. Small bulbs are formed which may be dug and replanted. Sow March to October. Germination period 10-14 days.

Aurantiaca. Orange striped red.

Chilense. Shades of pink salmon, and apricot. Pkt. 25c.

ALYSSUM. Sweet. a-liss'-sum. Sun, half shade.

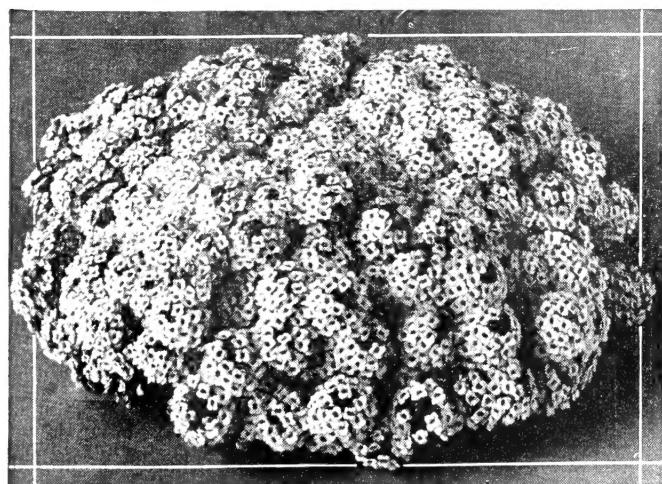
White, lilac, cream fragrant heads of tiny flowers; fine for edgings, beds, or ground cover. Sow any time. Germination period 10 to 20 days.

Carpet of Snow. Spreading white; 3 inches. 1/2-oz., \$1.00; Pkt. 10c.

Lilac Queen. Lavender; 6 inches. Oz., \$1.00; 1/2 oz., 55c; Pkt. 10c.
Little Gem. White; 6 inches. Oz., \$1.00; 1/2 oz., 55c; Pkt. 10c.

Cream Yellow. 6 inches. 1/2 oz. 95c; Pkt. 10c.
Maritimum. Very fragrant white; 1 foot. Oz. 60c; 1/2 oz. 40c; Pkt. 10c.

Violet Queen. New deep bright violet; 4 inches. Oz. \$1.00; 1/2 oz. 90c; 1/4 oz. 50c; Pkt. 15c.



ALYSSUM, CARPET OF SNOW

ALYSSUM saxatile. Per. Full sun.

Yellow flowers in masses; 1 foot; fine for borders. Sow March to July for late Spring bloom.
Gold Dust. Bright golden yellow. 1/4 oz. 40c; Pkt. 10c.
Citrinum. Sulphureum; pale yellow. Pkt. 15c.

AMARANTHUS. am-a-ranth'-us. Sun.

Showy Summer bedding annuals; prefer lime soil.

COLORED FOLIAGE

Molten Fire. Fiery crimson; 4 feet. Pkt. 10c.

Salicifolius. Fountain Plant; bright red-and-gold "shredded" foliage. Pkt. 10c.

DROOPING RED TASSELS: Caudatus, Love-Lies-Bleeding. All about 3 feet. Sow March to June. Germination period 5 to 10 days. Pkt. 10c.

Tricolor. Joseph's Coat. Pkt. 10c.



HYBRID AMARYLLIS

AMARYLLIS. am-a-ri'lis. Sun or light shade.

Rice's Hybrids. A lovely, large flower in shades of deep red, scarlet, rose, orange, cream, white, solid colors and stripes. These hardy flowers develop large heavy bulbs which multiply. Fine for pots or mild climate gardens. Seeds 5c each; 25 for \$1.00.

ANCHUSA capensis, Blue Bird. an-choo'-sa. Sun.

Deep blue, Forget-Me-Not-like flowers, for sun; 2 feet. Sow October to April. Pkt. 10c.

ANCHUSA italicica. Per. Sun to light shade.

Large Forget-Me-Not-like flowers; 3 to 5 feet tall. Sow March to July. Germination period 2 to 3 weeks.

Gentian Blue. Pkt. 10c.

Lissadel. Bright blue. Pkt. 10c.

ANTIRRHINUM, Snapdragon. an-tir-ry'-num. Sun.

Rich colors in a wide range, with a long blooming season, make this one of the most popular as well as one of the best bedding and cutting annuals. Sow July to April. Germination period 10 to 15 days.

Rust-resistant varieties now equal the old in color and form, and are immune, or very resistant, to rust. Unless otherwise noted, all varieties listed are **Rust-resistant**.

MAXIMUM. Large-flowered and tall; 3 to 4 feet.

Alaska. Finest white.

Campfire. Pure luminous scarlet.

Canary Bird. Clear rich yellow.

Copper Queen. Deep bronzy copper.

Paradise Rose. Rose pink.

Crimson. Deep velvety red.

Loveliness. Soft glowing pink.

Maximum Mixed. 1/16 oz. 45c; Pkt. 10c.

Separate Colors. Pkts. 15c; 3 for 35c.

MEDIUM. The finest height for bedding; 1½ to 2½ feet.

Mixed, All Colors. 1/16 oz. 45c; Pkt. 10c.

SUPER MAJESTIC. New group, with extra-long flowers on plants intermediate in height. The long flower-spikes give the effect of somewhat greater height than the medium group:

Autumn Glow. Old rose suffused amber.

Buttercup. Rich yellow.

Copper Shades. Copper-orange to old gold.

Red Rocket. Bright red.

Reveille. Pale golden yellow.

Rose Sensation. Best salmon-tinted rose-pink.

Royal Crimson. Garnet.

Silver Pink. Clear; delicate pink.

Tangerine. Golden orange shades.

Super Majestic Mixed. 1/16 oz. 50c; Pkt. 15c. Separate colors: Pkt. 20c; 3 for 50c.

Skyscraper Mixed. Tallest of all, rich colors. Pkt. 25c.

DWARF.

Magic Carpet. New, dwarf mixture, not rust-resistant. Pkt. 15c.

NEW "TETRA" SNAPDRAGONS

Big flowers on tall husky plants, very rust-resistant; unusual colors. Three new separate colors: glowing **Salmon**, rich **Rose Pink**, and **Orchid**, also many colors **Mixed.** Pkt. 25c.

AQUILEGIA, Columbine. Per. a-kwi-lee'-ji-a. Sun to shade.

Yellow, pink, blue, orange and red large airy flowers on graceful plants in Spring and early Summer; stand sun or partial shade; 2 to 3 feet. Sown April to August will bloom next Spring. Germination period 20 to 60 days.

Alpina. Dwarf blue; 18 inches. Pkt. 10c.

Chrysanth Yellow. Pkt. 10c.

Long-spurred varieties:

Blue Shades. Extra selected.

Crimson Star. Deep red, starred white.

Longissima. The longest spurred variety, clear yellow.

Orange and Scarlet Shades.

Snow Queen. Finest white.

Rose Queen. Pink and rose.

Campbell's Hybrids. Unusual shades, wide color range. 1/32 oz. 50c; Pkt. 25c.

All above 1/32 oz. 75c; Pkt. 15c.



AQUILEGIA



ASTER, CALIFORNIA GIANT

ARABIS alpina, Rock Cress. Per. ar'a-bis. Sun, light shade.

White, fine flowers, forming blanket of bloom in Spring in sun, on poor soil; 8 inches. Sow any time. Germination period 3 weeks. Pkt. 10c.

ARCTOTIS, African Daisies. Per. ark-toh'-tis. Full sun.

Large daisies on long stems, for cutting and beds; fine in extra-dry sunny places; 1½ feet. Sow October to April for bloom first Summer.

Grandis. Pale lilac. Pkt. 10c.

New Hybrids. Containing many shades of yellow, orange, bronze, red, and lavender, almost constantly in bloom. Large Pkt. 35c; Small Pkt. 15c.

ASTERS

One of the best Summer bedding and cutting annuals. Sow all varieties February to June. Single Rainbow as late as August. Germination period 1 to 2 weeks. Full sun. Mixtures listed below usually contain pink, rose, lavender, purple, crimson and white.

SUPER GIANT TYPE. New, greatly improved California Giants, earlier and larger-flowered. **El Monte.** Giant crimson-red. **Los Angeles.** Giant clear pink. Pkt. 15c.

CREGO. Large, curly-petaled; medium-length stems; 2½ feet; wilt resistant.

Blue Flame. Bright navy blue.

Crimson. Glowing deep rose-crimson.

Cattleya. Fascinating shade of orchid.

Purple. Showy violet purple.

Pink. Beautiful shell pink.

Rose. Lovely bright carmine rose.

White. Purest white, large and fluffy.

Grego's Finest Mixed. Pkt. 10c.

CALIFORNIA GIANTS. Long stemmed, double, curly-petaled; 2½ feet. **Rose, Peachblossom, El Monte** giant Crimson, **Light Blue, Purple, White, and Mixed.** Pkt. 10c.

EARLY BEAUTY. Long-stemmed, double, incurved. **Light Blue, Purple, Crimson, White and Mixed.** Wilt-resistant. 1/16 oz. 35c; Pkt. 15c.

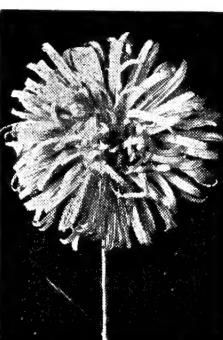
Germaco
TWIST-EMS
help you support plants
quickly, neatly,
permanently! **25¢**



ASTER, BEAUTY



ASTER, SUNSHINE



ASTER, CREGO

SINGLE RAINBOW. Very floriferous for bedding and cutting; 2 feet. **Pink, Rose, Light Blue, Purple, Mixed.** $\frac{1}{4}$ oz. 45c; Pkt. 10c.

GIANT CALIFORNIA SUNSHINE. New, large, single, anemone-centered; $2\frac{1}{2}$ feet. Mixed Pkt. 15c.

QUEEN OF THE MARKET. Branching variety. Earliest of all Asters. **Finest Mixed.** Pkt. 10c.

QUILLED POMPON MIXED. Pkt. 15c.

PRINCESS.

The Princess Asters have a full deep crested center, surrounded by several rows of dainty plumelike guard petals. This is a very attractive new cutting strain of early wilt-resistant Aster, branching and bearing quantities of flowers on strong stems. **Princess Anne** has a dainty peach blossom coloring.

Princess Barbara a lively shade of lavender. **Princess Bonnie** is soft salmon rose with a rich golden center. **Princess Marsha** is a striking cinnabar scarlet. **Princess Elizabeth**, white, **Princess Susan**, deep blue, **Princess Margaret**, bright rose.

Golden Sheaf. Yellow. Pkts. 25c; 5 for \$1.00.

BABY BLUE EYES. See Nemophila.

BABY'S BREATH. See Gypsophila.

BACHELOR'S BUTTON. See Centaurea cyanus.

BALSAM, Lady's Slipper.

ball'-sum. Sun. Pink, salmon, red, white, double camellia-like flowers on bushy plants, thrives in hot sun and rich soil, copiously watered; 18 inches. Sow March to May. Germination period 10 to 14 days.

Giant Camellia-flowered. Mixed. $\frac{1}{8}$ oz. 25c; Pkt. 10c.

BARTONIA, Mentzelia, Blazing Star.

bar-tone'-i-a. Sun. Golden yellow, large, silken-petaled flowers with many stamens; California native, for sun and shady soil; 2 feet. Sow November to April. Germination period 5 to 10 days. Pkt. 15c.

BEANS. See Dolichos, and Scarlet Runner.



TUBEROUS BEGONIA

Camellia Flowered

BEGONIA. Per.

bee-gohn'-i-a. Sun to shade.

Useful bedding and pot plants, for full or partial shade. Sow January to May, on surface of fibrous loam, fine sand and leaf mold, preferably under glass, and watering from below.

FIBROUS-ROOTED:

Carmen. Salmon-rose, bronze foliage.

Christmas Cheer. Darkest scarlet; large.

Ile de France. White, green foliage.

Indian Maid. Scarlet, very dark foliage.

King of the Reds. Favorite dwarf red.

Luminosa. Scarlet, brown foliage.

Masterpiece. Pale pink, green foliage.

Prima Donna. Rose-pink, green foliage.

Scandinavia. Fine dwarf pink.

White Pearl. Clear white. Pkt. 50c; Small Pkt. 25c.

TUBEROUS-ROOTED. We offer only seed grown by Vetterle & Reinelt, originators of the finest American Tuberous Begonias. These extravagantly beautiful flowers are in shimmering shades of pink, apricot, rose, white, flame-orange, crimson, scarlet, yellow and salmon. Grow them in the shade in pots or beds with plenty of leaf mold. Treat them to a frequent mist spray in hot weather.

Camellia Flowered Double, Mixed. The largest, most popular type in beautiful colors. Pkt. 75c.

Imbrifera plena, Mixed. Double frilled, like huge Carnations. Pkt. 75c.

Ruffled Novelties of 1951. Amazingly beautiful crosses between Camellia Flowered and Fimbriata varieties, featuring fine forms, and huge fringed and fluted flowers in the lighter color tones. Pkt. \$1.00; Small Pkt. 75c.

BELLIS perennis, English Daisy.

Per. Bell'-lis. Sun to shade. Pink, red, and white double flowers for edgings and low beds in sun or shade; 6 inches. Sow August to April (blooms in 5 months). Germination period 10 to 14 days. **Monstrosa** (large-flowered) sorts; **Aetna**, quilled red; **Deep Rose; White; Mixed.** Large Pkts. 25c; Small Pkts. 10c.

BRACHYCOME iberidifolia, Swan River Daisy.

bra-kick'-o-me. Sun or part shade. Blue, pink, and white flowers like small Cinerarias, for low Winter and Spring beds, ground-cover, and cutting; 10 inches. Sow Nov. and May. Germination period 10 days. **Mixed.** Pkt. 10c.

BROWALLIA. brow-wall'-i-a.

Sun or shade. Pure blue flowers in all seasons, and in sun or shade; prefers rich soil; 1 foot. Sow any time. Germination period 1 month.

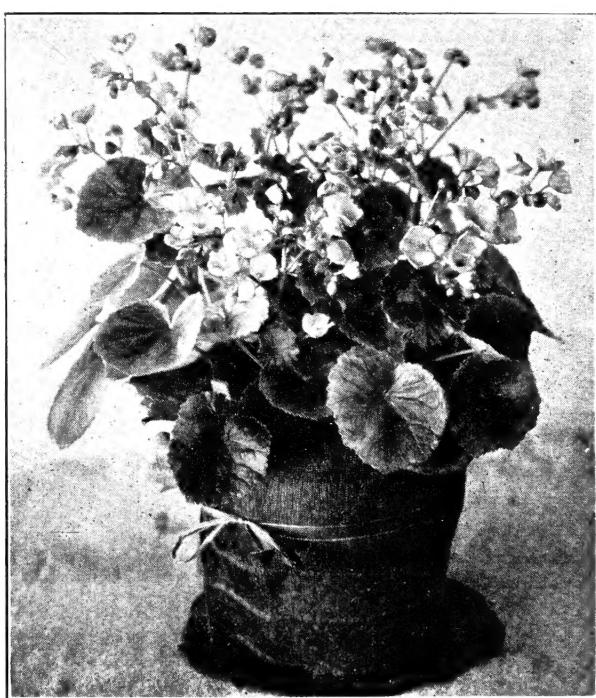
Elata. Amethyst blue, 18 inches tall. Pkt. 15c.

Speciosa Major. Large-flowered, bright blue pot variety. Pkt. 50c.

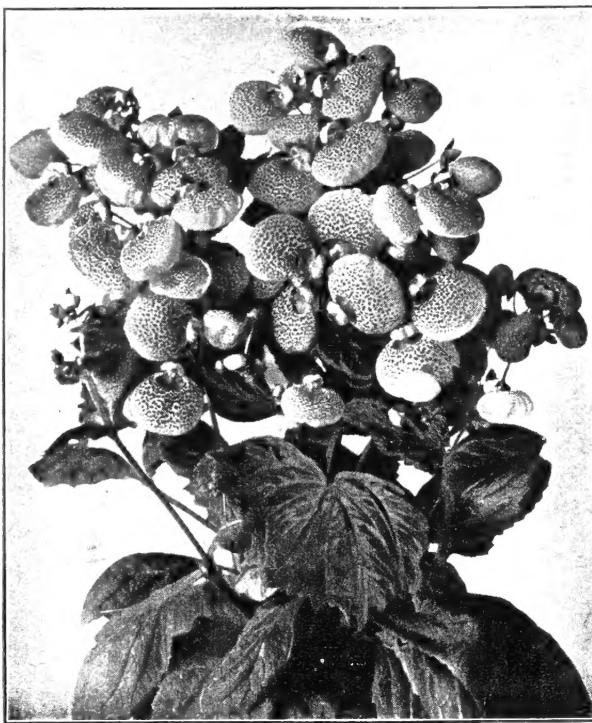
Viscosa compacta. Deep sapphire blue with white eye, 9 inches tall. Pkt. 25c.

CABBAGE, Flowering; Ornamental Kale.

Sun. The foliage, as it becomes well-developed, turns green-and-white, or shades of purple, etc., usually along the curly or fringed edges, so that the entire loose head resembles a huge flower; striking in flower arrangements. Sow March to September. Large Pkt. 35c; Small Pkt. 15c.



BEGONIA, CHRISTMAS CHEER



CALCEOLARIA

CACTUS. Per. Full Sun.

Drought-resisting, more or less spiny. Sow in small seed pans indoors, or when weather is warm outdoors.

All Kinds Mixed. 50c Seeds, 35c; 15 Seeds, 15c.

CALCEOLARIA. Per. kal-see-oh-lay'-ri-a. Shade, part shade. Yellow, orange and red, spotted purse-shaped flowers in clusters, for pots and shady beds; about 1 foot. Sow August to December.

Hybrida Grandiflora. Large-flowered, tender pot strain. Pkt. 50c.

Rugosa Hybrida, Flower Cloud Mixed. Hardy strain with medium-sized flowers, for outdoor bedding in shade. Pkt. 50c.

Calendula

CALENDULA, Winter Marigold. ka-len'jew-la. Sun.

Shades and combinations of orange, yellow, and cream, double flowers, ideal for Winter and Spring beds and for cutting; 1 to 2 feet. Sow July to March. Germination period 10 to 14 days.

FLAT-FLOWER VARIETIES:

Ball's White. Cream, picoteed apricot.

Campfire. Large dark orange.

Lemon Queen. Clear yellow.

Orange King Improved. Standard rich orange.

Ari Shades Mixed. New, pleasing mixture, many with picotee edges.

All Varieties Mixed. All, $\frac{1}{2}$ oz. 75c; $\frac{1}{4}$ oz. 40c; Pkt. 10c.

LOOSE-PETALLED VARIETIES:

Chrysanthia. Sunshine, large, semi-double buttercup-yellow.

Pacific Beauty Strain. New, more uniformly large, fluffy flowers, longer stems, more resistant to heat.

Pacific Beauty Mixed. All Pkts. 15c.

Yellow Colossal. New, improved Chrysanthia; larger, more double. $\frac{1}{8}$ oz. 30c; Pkt. 15c.

Trial Ground Blend. New, selected for resistance to heat, and long blooming season, light and pastel shades, shaggy form. $\frac{1}{2}$ oz. 75c; $\frac{1}{4}$ oz. 40c; Pkt. 10c.

CALIFORNIA POPPY, Eschscholtzia.**CALLIOPSIS, Annual Coreopsis.** Kal-lee-op'-sis. Sun.

Bright yellow, yellow-and-red, and red daisy flowers, showy in Summer beds and as cut flowers. Sow March to July. Germination period 10 to 14 days.

DWARF VARIETIES:

Golden Crown. 1 foot; showy large deep yellow with small red center-zone.

Dwarf Mixed. 6 inches. All shades. Pkt. 10c.

TALL VARIETIES MIXED. 3 feet. Pkt. 10c.

Crimson King. Tall, dark red. Pkt. 10c.

CAMELLIA, japonica. Ca-mel'i-a. Flowering Shrub. Shade.

Many new and interesting variations of this very beautiful flowering shrub may result when they are raised from seed. The blooms are white, shades of red, rose, and pink, often striped. Sow in March.

Hybrids Mixed. Seeds, 5c each; 25 for \$1.00.

CAMPANULA, Perennial Varieties. Per. kam-pan'-you-la.

Blue, white, bell-shaped flowers. Sow October to March.

Carpatica, Hare Bell. Blue and white. 10 inches. Sun.

Persicifolia, Peach Bell. Mixed. 2-3 feet. Sun.

Pyramidalis, Chimney Bell. Mixed. 5-6 feet tall. Sun.

Rotundifolia (Blue Bells of Scotland). Blue, 1 foot. Sun, shade. Pkt. 15c.

CAMPANULA medium, Canterbury Bells. Sun.

Blue, pink and white, large bells on tall spikes. Usual type biennial, flowering second season; annual type flowers in 5 to 7 months from seed. Sow any time. Germination 10-15 days.

BIENNIAL CANTERBURY BELLS. 3 feet.

Calycanthemum. Cup and Saucer type. Flowers have a saucer-like development at base. Very lovely.

Rose Pink; White; Light Blue; Dark Blue.

Mixed. Good color assortment. Pkt. 10c.

Single Type. Mixed only. $\frac{1}{16}$ oz. 35c; Pkt. 10c.

Double Mixed. Flower fully double. Pkt. 10c.

ANNUAL CANTERBURY BELLS. 3 feet.

Liberty Bell. Deep blue.

Wedding Bell. Pure white.

Angelus Bell. Deep rose pink. **Mixed.** Pkts. 15c; 3 for 35c.

CANDYTUFT. Sun.

White, pink, lavender, and red flower-heads on bushy plants for borders, beds, and cutting; 1 foot. Sow November to May. Germination period 10 to 14 days.

UMBELLATA VARIETIES:

Pink, Lavender, Rose, Cardinal, White, and Mixed. $\frac{1}{2}$ oz. 60c; Pkt. 10c.

Dwarf Mixed. Nana compacta, 6 inches. $\frac{1}{4}$ oz. 30c; Pkt. 10c.

HYACINTH-FLOWERING VARIETIES:

Giant White. Large spikes; 1 foot.

Miniature Gem. White; 4 inches. $\frac{1}{4}$ oz. 45c; Pkt. 10c.

CANDYTUFT. Per. See Iberis.**CANNA.** Per. Sun.

Vivid pinks, yellows, oranges and reds, useful for foliage and flower mass effect; flower first year from seed, which soak; 3 feet. Sow January to May. Germination period 2 weeks.

Crozy's Hybrids Mixed. Pkt. 25c.



CAMELLIA

Carnations

CARNATION, Dianthus Caryophyllus. Per. Sun.

Pink, rose, red, white, yellow; 1 $\frac{1}{2}$ feet. Sow October to April. Germination period 10 days.

Campbell's Perpetual Giant Hybrids Mixed. Nice color variations, good percentage of doubles. Plants bloom in 5 months and continue all Summer. The flowers are unusually large, very double and clove scented on stiff 15 to 18-inch stems.

Salmon Glory, Violet Queen, Canary Yellow, Mt. Blanc (white), and Choicest Mixed. Pkts. 50c each.

Chabaud's Giant Pink, Rose, Scarlet, Crimson, Yellow, White, and Mixed. Bloom in 6 months from seed. Pkt. 15c; 3 for 35c.

Giant Enfant de Nice Carnations. They are of compact growth with extremely stiff stems bearing flowers 2 $\frac{1}{4}$ to 2 $\frac{3}{4}$ inches without disbudding. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

Mixed. Pkt. 15c.

CASTOR BEAN, Ricinus. Per. ris'-i-nus. Sun.

Very rapid-growing foliage plant. Sow January to April. Germination period 2 weeks. **Zanzibariensis** (12 feet), green and bronze leaves. Pkt. 10c.

CELOSIA, Cockscomb. sell-oh'si-a. Full sun.

Crimson, rose, and yellow dense heads and plumes. Sow March to May. Germination period 7 to 10 days.

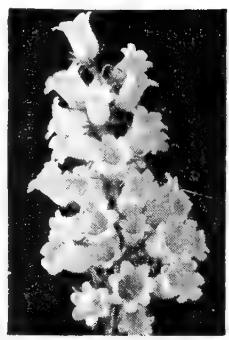
Cristata, Cockscomb Type; Dwarf (1 foot), Crimson, and Tall (3 feet), Mixed.

Plumosa, Feathered type; 2 $\frac{1}{2}$ feet: **Crimson; Yellow; Pride of Castle Gould Mixed.**

Childsii, Chinese Woolflower; 2 feet: **Mixed.** Pkt. 10c.



CANDYTUFT,
HYACINTH



CAMPANULA
ANNUAL



CALLIOPSIS,
GOLDEN CROWN

CENTAUREA, cyanus, Cornflower, Bachelor's Button. Sun. Blue, rose, red, and white flowers for beds and bouquets. Sow November to May. Germination period 10 to 15 days.
Blue Boy. Pure deep blue.
Pinkie. Rose pink.
Snow Man. White.
Red Boy. Ruby red.
Mixed. Pkt. 10c.
DWARF bedding type; 1 foot:
Jubilee Gem. Deep blue; very useful for both bedding and cutting.
Lilac Lady. Pkt. 15c.
Polar Gem. Clear white. Pkt. 15c.

CENTAUREA imperialis, Sweet Sultan. Sun.

Pink, lavender, purple, white, and yellow fragrant flowers like large, soft thistles; 2½ feet. Sow November to May. Germination period 2 weeks. **Amaranth Red, Lavender, Pink, White, Yellow** (Suaveolens, not in mixture), and **Mixed.** Pkt. 10c.

CENTAUREA americana, Basket Flower. Sun.

Large feathery lilac flower somewhat resembling an interwoven basket, on a handsome annual plant; 4 feet. Sow October to May. Germination period 2 weeks. Pkt. 10c.

CENTAUREA. See also Dusty Miller.

CHRYSANTHEMUM. Per. See also Matricaria, Pyrethrum, and Shasta Daisy. kris-an'-the-mum. Sun.

Korean Hybrids. Early-flowering, bushy type for garden decoration. Single and semi-double. Mixed. Pkt. 25c.

CHRYSANTHEMUM, Annual, Painted Daisies. Sun.

Yellow, white, pink, and red, large daisy cut-flowers; 2 feet. Sow October to April. Germination period 10 to 18 days.
Tricolor Mixed. Pkt. 10c.



CINERARIA, CALIFORNIA GIANT

CINERARIA hybrids. sin-e-rar'-ia. Shade.

Unusually rich colors in the showiest early Spring bedding plant for shade, and pots. Sow June to October. Germination period 8 to 10 days.

Grandiflora Semi-Dwarf. 16 inches: **Blue Shades, Crimson and Carmine Shades, Salmon, White.** Pkt. 50c.

Campbell's California Giant Strain, Mixed. Notable for immense flowers and pleasing colors. Pkt. 50c.

Cremer's Prize Strain. Semi-dwarf, with medium-sized flowers, but producing the largest heads of any type. Pkt. 50c.

Howard & Smith's Prize Strain. Mixed. Pkt. 50c.

Multiflora Nana. New dwarf (1 foot) type, with quantities of tiny flowers in all shades. Pkt. 50c.

CLARKIA elegans. clark'-i-a. Sun, light shade.

Pink rose, red, purple, and white double carnation-like flowers along spikes, beautiful in the garden or cut; 2 feet. Sow November to April. Germination period 2 weeks.

Albatross. Fine upright white.

Apple Blossom. Delicate pink.

Firebrand. Orange-scarlet.

La France. Salmon pink.

Pkt. 10c; 3 for 25c.

All Colors Mixed. ¼ oz. 50c; Pkt. 10c.



CARNATION PERPETUAL GIANT

CLEOME Pink Queen. Silver Medal A.A.S. '42. Sun.

A tall attractive border subject, Cleome Pink Queen has huge heads of delightful true pink, with no trace of magenta. It reaches a height of 4 feet. Blooming from June till frost, and unaffected by disease or pests, it is a most desirable flower for bold clumps of color in background planting. Pkt. 15c.

COCK'S COMB. See Celosia.

COIX lachrymae, Job's Tears. koh'-ix. Sun.

Interesting, grass-like plant, grown for its smooth, hard, tear-shaped seeds, often used for beads. Sow February to May, nicking seeds. Germination period 2 weeks. Oz. 40c; Pkt. 10c.

COLEUS. Per. ko'-lee-us. Shade or part shade.

Ornamental foliage plant for pots or outdoors, with large, vari-colored velvety leaves in partial or full shade; 1 to 2 feet. Sow February to May. Germination period 10 to 15 days.

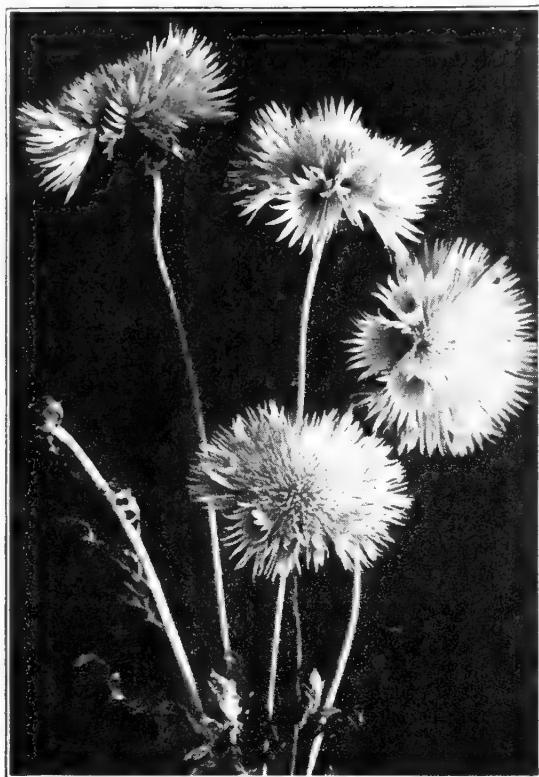
Rainbow. Rich colors and markings. Pkt. 50c.

Exhibition Varieties. Large, unusually patterned leaves. Pkt. 50c.

COLLINSIA bicolor, Innocence. kol-lin'-si-a.

Blue-and-white flowers in spikes: California native for sun and shade; 15 inches. Sow November to April. Germination period 2 weeks. Pkt. 15c.

COLUMbine. See Aquilegia.



CENTAUREA IMPERIALS, SWEET SULTAN

CONVOLVULUS, Annual. See Morning Glories.

CORAL BELLS. See Heuchera.

COREOPSIS lanceolata grandiflora. Per. ko-ree-op'-sis. Sun. See also Caliopsis and Leptosyne.

Chrome-yellow, large, glossy daisy flowers on long, graceful stems; 2 to 3 feet. Seeds sown November to March bloom first season. Germination period 3 weeks.

Mayfield Giant. Large-flowered single.**Double Sunburst.** New, large double yellow. Pkt. 10c.

CORNFLOWER. See Centaurea cyanus.

CONEFLOWER ASTER. See Stokesia.

COSMOS. koz'-mus. Sun.

Crimson, pink, and white daisy flowers for show and cut with light green, feathery foliage, thriving in poor or sandy soils. Sow March to July. Germination period 10 to 14 days.

EARLY SORTS (3 feet; bloom June-August):**Sensation.** New, with huge pink rose, and white flowers on strong bushes in 10 weeks. **Pinkie.** Rose-pink. **Purity.** White. **Dazzler.** Velvety maroon; '43 All America Winner.**Radiance.** Large rose, with crimson zone. Pkt. 15c.**Early Double Sensation.** Fluted and crested.**Mixed.****Orange Flare.** New early-flowering form of the Late Klon-dyke Cosmos. **Yellow Flare.** All America '42.**LATE SORTS** (5 feet; bloom September and October): **Single Pink, White, Crimson and Mixed.** Pkt. 10c. **Double Crested Mixed.** Pkt. 15c.

Cyclamen

CYCLAMEN persicum giganteum. Per. sy'-kla-men.

Shade.

Salmon, pink, rose, red, lavender, white "shooting-star" flowers with beautiful foliage, for pots or outdoors in shade; 1 foot. Sow any month but allow 18 months to flower; July to September best time for Christmas bloom. Germination period 3 to 4 weeks.

Giant-flowered strain: **Rose-pink, Salmon, White, Red,** 8c per seed, and **Mixed,** 6c per seed. **Double Mixed,** 8c per seed.**CYNOGLOSSUM amabile, Chinese Forget-Me-Not.** Sun.

sy-no-gloss'-um.

Pure blue and white, large forget-me-not-like flowers in sprays, good for cutting and bedding in sun. Sow October to April. Germination period 10 days.

Clear Blue (2 feet). Pkt. 10c.**Firmament.** Purest mid-blue, dwarf and bushy (15 inches) Pkt. 15c.**Mixed.** New, includes white, and many shades of blue. Pkt. 15c.

DELPHINIUM PACIFIC GIANT

DAHLIA. Per. dal'-ya. Sun.

Great variety of colors and types blooming profusely and forming tubers the first season. Sow February to May. Germination period 10 days.

Cactus Mixed. 25 seeds, \$1.00.**Campbell's Prize Mixed.** From Cactus and Decorative, improved named sorts only. Pkt. 50c.**Fine Exhibition Varieties Mixed.** Seeds from new exhibition types which make good parents. No miniature or pompons selected. 15 seeds \$1.00; 100 seeds \$5.00.**Unwin's Dwarf Hybrids.** 1½ feet, early flowering, semi-double. Pkt. 10c.**Coltness Hybrids Improved.** New and complete range of colors in this fine, single flowered, dwarf compact (1 foot) bedding Dahlia. Pkt. 10c.**Datura, Angel's Trumpet.** da-toor'-a. Sun.White, yellow, and purple, large, showy trumpet flowers on handsome specimen plants, in bloom all Summer; 3 feet. Sow February to May. Germination period, 2 to 3 weeks. **Double and Single Mixed.** Pkt. 25c.

Delphinium

DELPHINIUM CHINENSIS. dell-fin'-i-um. See also Larkspur.

Dwarf annual, with flowers very similar to perennial sorts, for low beds and edgings; 1 foot. Sow December to April. Germination period 2 weeks. Sun or partial shade.

Blue Butterfly Improved. Ultramarine blue.**Blue Mirror.** Unusual spurless, deep blue. Pkt. 15c.**Azure Fairy.** Clear light blue. Pkt. 10c.

CYCLAMEN

DELphinium. Per. Full sun, or high shade.

Splendid, stately border and bedding plant and cutting flower. Sow July to November for bloom in spring, or December to March for bloom that Summer. Germination period 2 to 3 weeks.

Cultural Note: Delphinium seed germinates best as soon as ripe. We supply New Crop seed exclusively, after July 15th each year, so that late Summer and Fall sowing is recommended. Chill seed 48 hours in refrigerator. When set out, deep soil, well-drained and enriched with old manure is best. Feed a balanced plant food like Vigoro. Delphiniums thrive in sun, yet prefer a cool climate.

CUTFLOWER VARIETIES:

Cliveden Beauty, Improved Belladonna. Light blue.

Bellamoum. Dark blue. Pkts. 15c.

LARGE-FLOWERED, TALL BEDDING VARIETIES:

Campbell's XXX Hybrids, with large flowers in all shades of blue and lavender-blue. Pkt. 25c.

Cardinale. Native scarlet larkspur. Pkt. 15c.

Wrexham. Hollyhock Flowered Strain; giant flowers in blue, white, and pink combinations. Pkt. 15c.

PACIFIC GIANTS (New). Fully double, mildew-resistant strain, the finest obtainable.

Astolai. Rose shades. Pkt. 75c.

Black Knight. Darkest blues.

Blue Jay Series. Medium to dark blue.

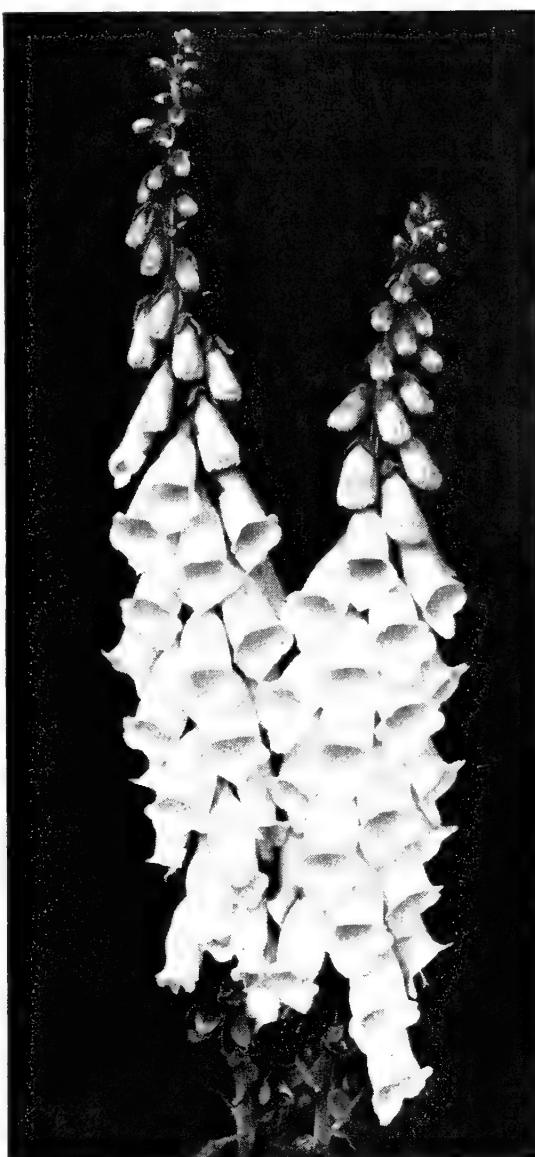
Galahad Series. Enormous clear white, individual flowers often 3 inches across.

Guinevere Series. Pinkish lavender shades.

Round Table Series. Originator's cross-pollinated seed, containing all the colors and shades ever obtained.

Summer Skies Series. Light blue, white bee.

All Shades Mixed and Separate Colors. Pkt. 50c.



DIGITALIS, SHIRLEY HYBRIDS

DIANTHUS, Annual Pinks. Sun.

Shades of red, pink, crimson and white; 1 foot. Sow February to May. Germination period 5 to 10 days.

HEDDEWIGI LACINIATUS (JAPANESE PINK) VARIETIES:

Crimson Belle. Single crimson.

Heddensis, Westwood Beauty. A new type resulting from cross between Hedgewigi x chinensis. Shades of crimson and scarlet. Pkt. 25c.

Salmon Queen. Single salmon.

Single or Double Gaiety Mixed. Pkt. 10c.

CHINENSIS (CHINESE PINK) VARIETIES (flowers smaller, in clusters like Sweet William):

Double Mixed. Pkt. 10c.

DIANTHUS, Perennial Pinks. Per. dy-an'-thus. Sun.

Pink, rose, red, white; fragrant. Sow February to May. Germination period 1 to 2 weeks.

PLUMARIUS (CLOVE PINK) VARIETIES. 1½ feet:

Cyclops Mixed. Large-eyed single flowers in rich colors—the best ever-blooming Pink.

Semperflorens Double Mixed. Pkt. 10c.



DIANTHUS CYCLOPS

DIANTHUS, Rock-Garden Species. Full sun.

DIANTHUS, ROCK-GARDEN SPECIES. Full sun.

Allwoodii Alpinus. New; 4 to 6 inches; mixed colors. Pkt. 50c.

Caesius, Cheddar Pink. Pink with tufty 3-inch foliage and 6-inch stems. Pkt. 10c.

Deltoides, Maiden Pink. Rose; 8 inches. Pkt. 15c.

Loveliness. Large mauve flowers with lacinated petals and delicious fragrance. Pkt. 25c.

Winteri. Striking new pinks in pure colors, compact habit, very fragrant large flowers. Pkt. 25c.

Rock-Garden Rare Species Mixed. Including 25 kinds. Pkt. 25c.

DIDISCUS coerulescens, Blue Lace Flower. dy-dis'-cus. Sun.

Soft blue, tiny tubular flowers forming lacy heads on long stems for bouquets; 2½ feet. Sow February to May. Germination period 2 weeks. Pkt. 10c.

DIGITALIS, Foxglove. Bien. and Per. di-ji-tal'-is. Shade.

Pink, purple, white, large open-tubed flowers in tall, erect spikes; 4 feet. Sow by April for certain flowers the following Spring. Germination period 10 to 15 days.

Giant Shirley Hybrids Mixed. Biennial. Pkt. 10c.

Pastel Shades. Perennial. 4 feet. Pkt. 25c.

DIMORPHOTHECA, African Daisy. dy-mor-foth'-eka. Sun.

Orange, yellow, salmon and white, large daisy flowers, unusually brilliant for bedding in all seasons; 1 foot. Sow any time. Germination period 10 to 20 days.

Aurantiaca, Orange. Yellow.

Glistening White. Pkt. 15c.

Single Hybrids Mixed. Pkt. 10c.

Double Hybrids Mixed. Pkt. 15c.

DIMORPHOTHECA. Per. Sun.

Ecklonis. White, blue center, with mauve reverse, flowers 3 inches across; blooms through Winter until Summer. Sow any time; 2 feet. Germination period 2 to 3 weeks.

DOLLAR PLANT. See Lunaria.



DUSTY MILLER, *Centaurea sy. Per.* Sun or partial shade.
Candidissima. Thick silvery-white foliage; 10 inches.
Gymnocarpa. Grey foliage; 20 inches. Sow January to May.
 Germination period 2 to 4 weeks. Pkt. 10c.

ENGLISH DAISY. See Bellis.

ESCHSCHOLTZIA, *California Poppy*, esholt'-zi-a.
 Orange, crimson, rose, yellow, and white, showy, glossy-petaled flowers for bedding, ground cover on vacant lots, and bouquets (cut the flowers early, before they open); 1 foot. Sow August to March. Germination period 10 days.
Aurantiaca. Orange (true native poppy). Lb. \$5.00; $\frac{1}{4}$ lb. \$1.35; oz. 50c; $\frac{1}{2}$ oz. 30c.
Hybrida Mixed. All new and unusual shades. Cream pink, cherry red, salmon rose, purple, scarlet, white. Pkt. 15c.
Monarch Art Shades. Lovely, semi-double mixture. Pkt. 25c.

EUPHORBIA heterophylla, *Annual Poinsettia*, you-for'-bi-a. Sun.
 Showy orange-red bracts (as in the Perennial Poinsettia) make this an interesting Summer and Fall bedding annual; 3 feet. Sow March to June. Germination period 10 days. Pkt. 10c.

EUPHORBIA Variegata, *Snow on the Mountain*. Sun.
 Ornamental foliage annual, with distinct white and green leaves, for beds or mixed bouquets. Sow March to June. Germination period 2 to 3 weeks. Pkt. 10c.

FEVERFEW. See *Matricaria capensis*.

FLAG OF SPAIN VINE. See *Mina lobata*.

FORGET-ME-NOT. See *Myosotis*.

FOUR O'CLOCK, *Mirabilis*; *Marvel of Peru*, *Per.* Sun.
 Red, pink, white, yellow flowers opening in afternoon, on bushy plants; may be grown as annual. Sow October to April. Germination period 2 weeks.
Dwarf Mixed. 1 foot.
Tall Mixed. 2½ feet. Pkt. 15c.

FOXGLOVE. See *Digitalis*.

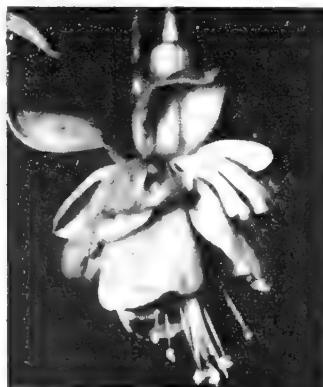
FUCHSIA, *Per.* Shade.

Intriguing pendant flowers in shades of white through lavender, pink, rose, red and purple; in constant bloom from May to cold weather. Many interesting forms may result from sowing seed. Seed very fine. Sow in pots March or April. Germination slow.

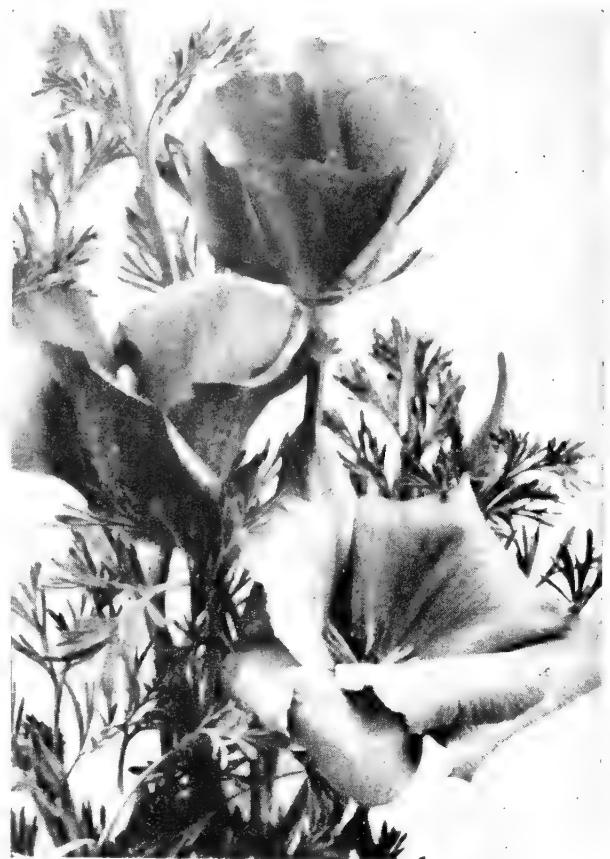
Double and Single Mixed. Pkt. 50c.

Gaillardia

GAILLARDIA grandiflora, *Per.* gay-lar'-di-a. Sun.
 Red and yellow, very large daisies, blooming all Summer and Fall; 3 feet. Sow September to April.
Burgundy. Deep all red.
Dazzler. Yellow with maroon center.
Goblin. Dwarf; 1 foot; yellow, red border.
Portola Hybrids. Semi-double orange-and-red.
Tangerine. Unusual new shade; copper-orange. Pkt. 15c.



FUCHSIA



CALIFORNIA POPPY, ESCHSCHOLTZIA

GAILLARDIA, *Annual Basket Flower*. Sun.

Annual Gaillardia gives you at least six months of bloom. Red, yellow and red-and-yellow large, profuse-blooming daisies; 2 foot. Sow January to April. Germination period 2 to 3 weeks.

Indian Chief. Bronzy-red.

Picta. Single Mixed.

Lorenziana, Double Mixed. Lovely. Pkt. 15c.

GAZANIA splendens hybrida grandiflora, *Per.* Sun.

African Border Daisy, ga-zay'-ni-a.

Bronze, red, orange, yellow, cream, and white, showy, long-stemmed daisy-flowers with brown or yellow spots about the centers, on low-foliaged edging or bedding plants. Sow September to March for bloom first Summer. **New Hybrids Mixed**. Pkt. 15c.

GERANIUM zonale. Sun.

Brilliant orange, red, salmon, pink and white single flowers in large heads on somewhat tender plant for bedding and pots. Sow April to July. Germination period 30 to 40 days.
Large-flowered Mixed. Pkt. 50c.

THE GLOBE HUMMINGBIRD FEEDER

A well made, automatic feeder, a sure attraction to the birds. Ant and bee proof, holds 1 pint of syrup. Height, with hanger, 21 inches. Spread 7½ inches.

POSTPAID, \$4.95





GERBERA, TRANSVAAL DAISY

GERBERA *jamesoni*, **Transvaal Daisy**. **Per.** ger-ber-a. Sun. Almost every conceivable shade except blue and purple is found in these long-stemmed, large-flowered African Daisies for beds and bouquets requiring warm, well-drained soil; 2 feet. Sow any time. Keep crown above soil surface. Germination period 2 weeks. **New Giant Mixture.** Pkt. 50c.

GEUM. **Per.** jee'-um.

Scarlet, yellow, and orange, semi-double rose-like flowers, on long stems in Spring and Summer, for beds and bouquets; 2 feet. Sow July to September. Germination period 3 weeks. **Mrs. Bradshaw.** Scarlet-red.

Lady Stratheden. Bright yellow. Pkt. 15c.

Prince of Orange. Semi-double orange. Pkt. 15c.

GILIA. gil'-i-a.

Natives, easily and quickly grown. Sow November to May. Germination period 10 days.

Capitata (Thimble Flower, 2 feet), with lavender-blue flowers in globular heads on long stems. Oz. 60c; Pkt. 10c.

Tricolor (Bird's Eyes, 1 foot), with lilac flowers spotted yellow and purple in center. Oz. 55c; Pkt. 10c.

Micrantha (Fairy Stars), with tiny flowers on neat 6-inch plants for ground cover, rockery, or cut, for miniature bouquets, in a mixture of salmon, pink, copper, yellow and cream. 1/4 oz. 35c; Pkt. 10c.

GLOBE AMARANTH, **Comphrenna.** Sun.

Purplish-red, pink, white, and orange clover-like everlasting flowers; make showy beds; 1 foot. Sow February to May. Germination period 2 weeks. **Purple; Orange; Mixed.** Pkt. 10c.

GODETIA. go-dee'-she-a.

Pink, rose, red and white, large satiny flowers for showy beds in sun or partial shade, and bouquets (all the buds open in water). Sow November to May. Germination period 2 weeks.

HALF-DWARF. 1 1/2 feet; flowers in clusters:

Duke of York. Rich scarlet, edged white.

Kelvedon Glory. Salmon-apricot.

Sybil Sherwood. Soft salmon-pink. We offer both single—Pkt. 10c—and double—Pkt. 15c.

White Swan. Large, pure white.

Double Azalea-flowered Mixed. 1/2 oz. \$1.00; 1/8 oz. 35c; Pkt. 10c.

TALL. 2 1/2 feet; double flowers in spikes:

Carmine Improved.

Rosy Morn. Bright pink.

Campbell's Exquisite Mixture. 1/2 oz. 80c; Pkt. 10c.

GYPSOPHILA elegans, Baby's Breath. jip-sof'-ill-a. Sun.

White, pink, or red, dainty flowers in airy clusters for mixing in bouquets; 2 feet. Sow any time. Germination period 10 to 14 days. **Grandiflora Alba**, white; **Pink; Crimson.** Trailing type, **Rose, White.** Pkt. 15c.

GYPSOPHILA paniculata. **Per.** Sun.

Double, tinier flowers than the annual, ideal for bouquets and mixing, all Summer and Fall, on large, bushy plants; 3 feet. Sow October to May. Germination period 2 weeks.

Double Snow White; Pacifica. Pale pink, blooms earlier. Pkt. 25c.

HELIANTHUS, Sunflower. hee-li-an'-thus. Sun.

Yellow, orange, bronze-red, large daisy flowers, showy for backgrounds. Sow December to April. Germination period 10 to 14 days.

Russian. (10 feet), gigantic single, with edible seeds. Oz. 25c; Pkt. 10c.

Maroon Prince. Large red; 4 feet. Pkt. 10c.

Miniature. (5 feet); small red and brown. Oz. 75c; Pkt. 10c.

Sun Gold. New; improved Chrysanthemum-flowered; 4 feet; large, fully-double golden flowers. 1/4 oz. 25c; Pkt. 10c.

HELICHRYSUM, Strawflower. hell-i-cry'-sum. Sun.

Yellows, pinks, red and whites; large, very double ever-lasting, showy in beds and backgrounds; 3 feet. Sow October to May. Germination period 2 weeks.

All Colors Mixed. Pkt. 10c.

OTHER EVERLASTING FLOWERS

Sow in Spring

Physalis	Lunaria
Gomphrena	Statice
Gypsophila paniculata	

Sow in Fall

Acroclinium	Grasses
Catananche	
Helichrysum	

HELIOTROPE. **Per.** Sun or shade.

Blue and purple shades, in fragrant clusters, easily grown; 2 to 6 feet. Sow February to May for bloom first year. Germination period 3 weeks.

King of the Blacks. Deep purple. Mammoth Mixed. Pkt. 15c.

HERBS. See page 34.

HEUCHERA, Coral Bells. **Per.** hew-ker-a. Sun or part shade.

Pink, rose, and red, tiny bell-like flowers in clusters, with attractive low foliage, for rockeries and borders in sun or partial shade; 1 1/2 to 2 feet. Sow July to March. **Sanguinea**, coral red. **Hybrids**, shades from pink to crimson. Large Pkts. 35c; Small Pkts. 15c.

HONESTY. See Lunaria.

HIBISCUS, Mallow Marvels. **Per.** hy-bis'-kus. Sun.

Pink, red, white, large flowers, 6 inches across; the true herbaceous Hibiscus, quite hardy anywhere; 4 feet. Sow February to May for bloom first season. Germination period 2 to 4 weeks. **Mixed.** Pkt. 25c.

Hollyhocks

HOLLYHOCK. **Per.** Sun.

Pink, salmon, red, and yellow shades, in stately spikes ideal for backgrounds; 5 to 6 feet. Sow February to August. Germination period 3 weeks.

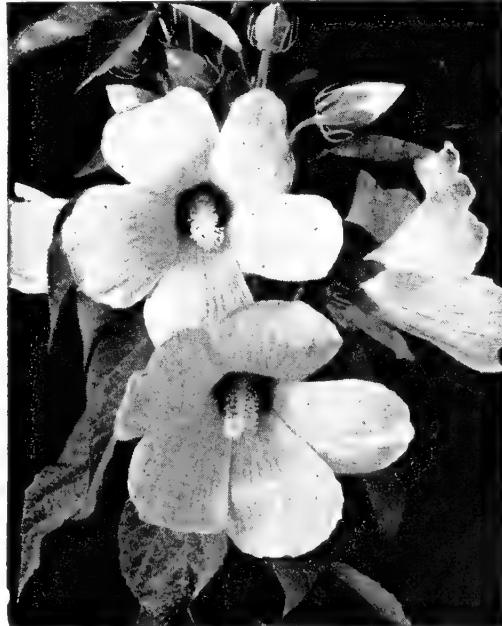
Chater's Double, Newport Pink, Rose, Salmon, Crimson, Chamois, Scarlet, Yellow, White, Mixed. Pkt. 15c; 3 for 35c.

Triumph Double Mixed. Pkt. 15c.

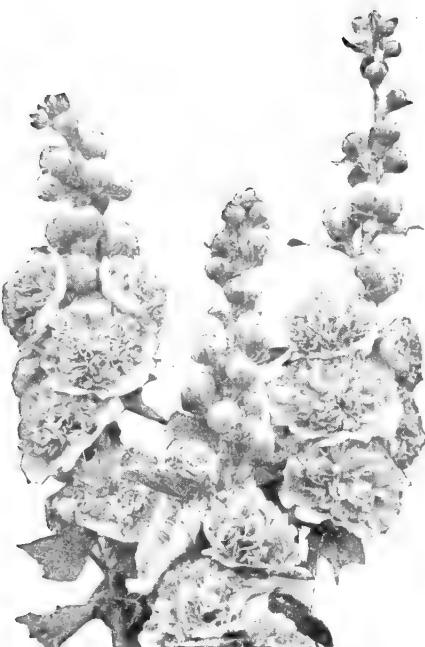
Single Mixed. Pkt. 10c.

ANNUAL HOLLYHOCK

Indian Spring. Rose-pink shades; semi-double. Blooms in 6 months, so may be grown as an annual. Pkt. 15c.



HIBISCUS, MALLOW MARVEL



HOLLYHOCK, CHATER'S DOUBLE

HUNNEMANNIA fumariaefolia, Mexican Tulip Poppy. Per. hun-nee-man'-i-a. Sun.

Bright yellow, cup-shaped flowers; 3 inches across on long stems, keeping well when cut; 2 feet. Sow November to April. Germination period 2 weeks.

Sunlite. Improved type. Pkt. 15c.

HYACINTH BEAN. See Dolichos.

IBERIS gibraltarica, Perennial Candytuft. Per. Sun.

Lilac, turning white, small flowers in clusters on spreading, sunny rockery; perennial in Spring; 8 inches. Sow January to May. $\frac{1}{8}$ oz. 25c; Pkt. 10c.

IMPATIENS. Per. Shade.

New Hybrids. Attractive Summer flowers, white through pink, rose, and salmon to flame-red. Pkt. 50c.

IPOMOEA. See Morning Glories.

IXIOLIRION Lebedourii, Siberian Blue Bells. Per. Sun.

Deep blue tubular bells on 12 to 15-inch stems. Plant in the sun in August or September for bloom in May. Excellent for cutting. Pkt. 25c.

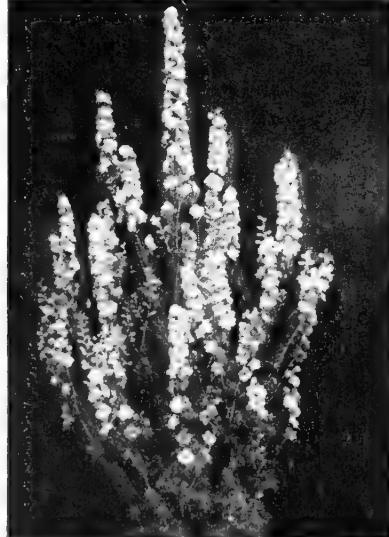
JOB'S TEARS. See Coix Lachrymae.

JOHNNY-JUMP-UP. See under Viola.

KALE, Ornamental. See Cabbage, Flowering.

KOCHIA childsi, Summer Cypress. Koh'-ki-a. Sun.

Bright green feathery foliage, forming compact bushes quickly, that turn fiery red in Fall; 2 to 4 feet. Sow January to June. Germination period 10 days. Pkt. 10c.



LARKSPUR, GIANT IMPERIAL

LANTANA. Per. Sun.

Red, pink, lavender, orange, and yellow flowers in verbena-like clusters; bloom the first year from seed and form shrubs. Sow January to May:

Dwarf Hybrids. 1 to 2 feet.
Tall. 3 to 5 feet. Pkt. 25c.

Larkspur

LARKSPUR, Annual Delphinium. Sun or partial shade.

Pink, red, blue, lilac, and white; ideal bedding and cutting flowers; 3 to 5 feet. Sow September to March. Germination period 4 to 8 weeks.

Cultural Note: Larkspurs are cool weather plants and are best sown in the Fall, where they are to remain. In cold climates, November sowing is ideal, since a Winter chilling aids good germination in early Spring.

GIANT IMPERIAL SUPREME. Tall upright type, branching at the base to yield long stems for cutting:

Blue Bell. Clear azure blue.

Dark Blue Supreme. Rich deep blue.

Carmine King. Rose-red.

Coral King. New deep coral-pink.

Pink Supreme. Best pure pink.

Miss California. Salmon-pink.

Lilac Spire. Deep lavender.

White Supreme. New erect pure white.

Supreme Mixed. Oz. \$1.80; $\frac{1}{4}$ oz. 50c; Pkt. 10c (5 for 40c). All separate colors and mixed.

SUPER MAJESTIC (Newest type). Usually reaches a height of 5 feet; large blooms on long branches.

Rose-Pink, Lavender, White, Mixed. Pkt. 15c.

LAVATERA assurgentiflora, California Windbreak. Per. Sun.

Rose-pink flowers on fast-growing shrub-like perennial; evergreen in mild climates; kills out in severe; 10 feet. Sow March to July. Germination period 3 to 5 weeks. Pkt. 10c.

LAVATERA splendens, Annual Mallow. la-va-tee'-ra. Sun.

Rose-pink, large flowers on bushy plant for show and cut; 2½ feet. Sow November to March. Germination period 2 to 5 weeks. **Rosea**, best rose. Pkt. 10c.

LAVENDER, Lavandula vera. Per. La-van'-dew-la. Sun.

Small lavender flowers, delightfully fragrant; a favorite for drying; 2 feet. Sow October to March. Germination period 30 days.

Munstead Strain. Dwarf (1 foot); deep lavender. Pkt. 15c.

True English. 2 feet. Pkt. 10c.

LAYIA elegans, Tidy Tips. lay'-i-a. Sun.

Yellow daisy, petals edged with creamy-white, for quick Spring show and cutting; one of the finest California natives; 1½ feet. Sow October to April. Pkt. 10c.

LEMON VERBENA, Aloisia citriodora. Per. Sun or part shade

Fragrant-leaved hardy shrub; 6 to 10 feet. Sow February to May. Pkt. 15c.

LEPTOSIPHON. See Gilia micrantha and liniflora.

LEPTOSYNE maritima, Sea Dahlia. Per. Sun.

Yellow flowers fine for cutting; native perennial blooming in 90 days; 2 feet. Sow September to April. Germination period 2 weeks. Pkt. 10c.

LEPTOSYNE stillmanni, Wild Coreopsis. Sun.

Yellow daisy-flowers for cutting six weeks after sowing; California wildflower; 1½ feet. Sow October to April. Germination period 10 days.

Single. Pkt. 15c.

Double, Golden Rosette. Large yellow. Pkt. 15c.

**TOTAL WEED
DESTRUCTION!**

SPRAY THE LEAVES

WEEDICIDE GIVES TO THE ROOT OF THE PLANT

KILL THE ROOTS

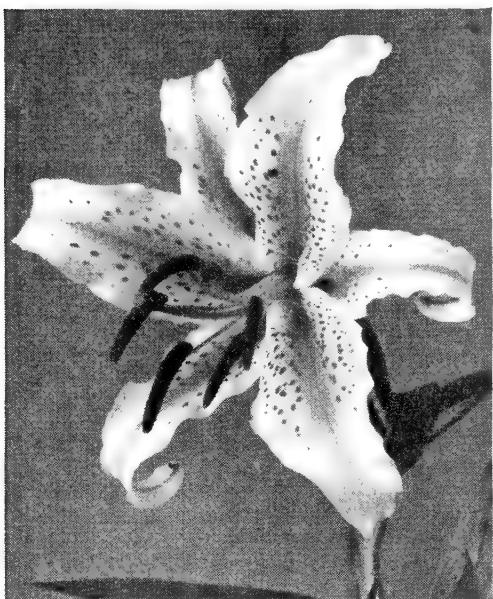
Liquid or Tablets
\$ 1.00 Treats 530 sq. feet
2.75 Treats 2,500 sq. feet
10.00 Treats 8,300 sq. feet
30.00 Treats 41,500 sq. feet

Kills the roots of even the worst weed pests, Poison Ivy, Poison Oak, Bindweed, Jap Honeysuckle, Canada Thistle, etc. Weedicide won't sterilize or damage soil.

Thompson DEE-CEE-PEE

WEEDICIDE

2,4-dichlorophenoxyacetic acid



AURATUM LILY

Lilies from Seed

Growing lily bulbs from seed is becoming a popular hobby with amateur gardeners. Really fine bulbs can be raised from seed with a little patience and care. Seeds should be sown in flats of soil prepared by mixing good garden loam with equal parts of sand and leaf mold or peat, covering with $\frac{1}{4}$ -inch of sifted mixture. Press firmly and soak the flat in water, after which it is placed in a shady place to await germination. Seed may be sown at any time. The little plants first make root growth and bulbs before showing any impressive top growth. They should be transplanted the second year into larger flats of prepared soil with a little bone meal or to specially prepared beds outdoors. The following year they should be large enough to go into the garden. Species germinating readily are marked with an asterisk (*) before the name.

LILIES, True *Lilium* Species. Per. lil'-i-um.

Part shade or sun if root area is cool and moist.
Auratum var. platyphyllum. **Gold-banded Lily.** Outspread white petals, each striped with a yellow band and spotted with crimson; fragrant; 4 to 7 feet. Blooms August-September. Pkt. 25c.
Bellingham Hybrids. Most desirable for garden color and cutting; recurve flowers, yellow to scarlet, spotted brown; height 4 to 6 feet. Plant the seed in August for bloom in the Summer. Pkt. 25c.
Candidum, Madonna Lily. Probably the most popular of all Lilies. 8 to 10 lovely white blooms grow in a stately spire on a strong, straight stem 4 to 6 feet tall. Plant March or April outdoors. February under glass. Germination period 3 to 6 weeks. Flower in June. Pkt. 25c.
***Formosanum, Fall Regal Lily.** White trumpets shaded externally with violet; fragrant; 4-6 feet. Bloom September-October (first season if sown early). Pkt. 25c.
***Henryi, "Orange Speciosum."** Recurved golden yellow petals, spotted brown; one of the hardiest and best for cutting; 5-8 feet. Bloom August-September. Pkt. 25c.

GROW YOUR OWN EASTER LILIES

***Longiflorum Praecox White Queen, Easter Lily.** Since the war Easter Lilies have been scarce. This variety is relatively easy to grow and preferable to the bulbs now on the market. Has large, long, pure white trumpets; an improved form, taller than the type, and fine for cutting and garden shows, as well as Easter forcing; 2 feet. Blooms in one year from time of seed sowing. Pkt. 35c.
***Regale, Regal Lily.** The most popular lily in America, with large golden-throated white open trumpets tinted pink externally; very fragrant; easily forced in pots or grown outdoors; 4 feet. Bloom June-July. Pkt. 25c.
Shuksan. The best of the late Dr. David Griffith's hybrids; recurved rich orange, dotted black petals; vigorous and handsome, some, with many flowers in bloom at once; 4-5 feet. Bloom July. Pkt. 25c.
***Tenuifolium, Siberian Coral Lily.** The most popular dwarf lily for the garden and rockery; 10 to 20 dainty bright scarlet, nodding reflexed flowers to a spike; 18 inches. May-June. Pkt. 15c.
***Tenuifolium Golden Gleam.** Lovely new bright yellow form of the above. Pkt. 25c.
Washingtonianum, Mt. Hood Lily. Tubular white flowers, spotted purple in the throat, fragrant; 3-6 feet. Bloom June-July. Pkt. 25c.
***Willmottiae.** Recurved orange-red petals; grass-like foliage; one of the hardiest and most dependable species; 4-5 feet. Bloom July. Pkt. 25c.

LIMNANTHES douglasii. **Meadow Foam.** Partial shade. White-and-yellow, fragrant flowers, effective in beds or edgings, in moist partial shade; native; 6 inches. Sow November to April. Pkt. 10c.

LINARIA, Toad Flax, Baby Snapdragon. ly-nay'-ri-a. Sun. Lavender, purple, pink, chamois, yellow, red, etc., miniature snapdragon-flowers, unusually fine for beds, ground covers, or mixed bouquets, in Winter and Spring. Sow September to February.

Annual

MAROCCANA HYBRIDS. 15 inches:

Hybrid Mixture. Oz. \$1.75; $\frac{1}{4}$ oz. 50c; Pkt. 10c.

DWARF COMPACT TYPE. 8 inches:

Fairy Bouquet. New, bushy type, with large flowers in pastel shade. $\frac{1}{2}$ oz. \$1.60; $\frac{1}{8}$ oz. 50c; Pkt. 10c.

Fairy Bridesmaid. New lemon yellow. Pkt. 15c.

LINUM. Per. ly'-um. Sun.

Sky-blue or yellow flowers, profusely produced in Spring and Summer; blooms in 4 months; 2 $\frac{1}{2}$ feet. Sow January to May. Germination period 3 to 4 weeks.

Flavum. Showy clear yellow.

Perenne. Light blue.

Narbonense. Deep azure blue, compact. Pkts. 15c.

LINUM grandiflorum rubrum, Scarlet Flax. Sun.

Bright scarlet flowers, on slender graceful plant, in all seasons; particularly useful in Winter; 1 $\frac{1}{2}$ to 2 $\frac{1}{2}$ feet. Sow any month. Germination period two weeks. Oz. \$1.00; Pkt. 10c.

LOBELIA erinus compacta. lo-beel'-ia.

Blue bedding and edging plants; 4 inches. Sow January to May. Germination period 10 to 15 days.

Cambridge Blue. Fine light blue.

Crystal Palace. Dark blue, bronzy foliage.

Emperor William. Bright-blue, green foliage.

Trailing Sapphire. Pkt. 15c.

LOBELIA cardinalis, Cardinal Flower. Per. Sun or shade.

Fiery scarlet flowers in erect spikes with bronzy-green foliage, 2 feet. Sow January to March. Pkt. 15c.

LUNARIA, Honesty, Money Plant. loon-ar'-ia. Sun.

Round, flat, silvery transparent seed-pods, to dry for Winter decoration; 2 feet. Sow October to May. Germination period 2 to 3 weeks. Pkt. 10c.

LUPINUS, Lupine. lu-pin-us. Sun.

Blue, pink, and white pea-flowers in clusters, for beds and bouquets; native. Sow December to April. Germination period 10 days.

DWARF VARIETIES. 1 foot:

NaNus. California native, deep blue. For rock garden.

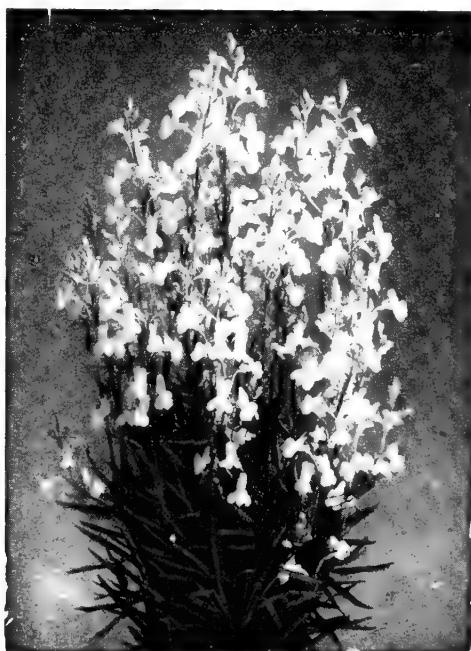
Texensis (Texas Blue Bonnet). Clear blue. Oz. 50c; Pkt. 10c.

Pixie Delight. A charming new dwarf Lupin variety in a wide range of colors, very free flowering. Pkt. 25c.

TALL VARIETIES. 3 feet:

Hartwegii Giant King type. Large flowers and spikes in shades of blue and white. **Deep Blue, Mixed.** Oz. \$1.00; Pkt. 15c.

Russell Lupins. Long, closely furnished spikes flower in a great variety of rich colors—deep yellows, oranges, reds, and brilliant bi-colors never seen in Lupins before. The florets are large, with flat fan-like back-standards, and unlike all other Lupins, most of the spikes retain their florets throughout the whole period of development. Awarded the Royal Horticultural Society's Gold Medal, June, 1937. Pkt. 25c.



LINARIA HYBRIDS



MARIGOLD PYGMY

MALLOW MARVELS. See Hibiscus.

MARGUERITE, Annual. See Chrysanthemum Nivelli.

MATRICARIA, Feverfew. Per. mat-ri-cay'-ri-a. Sun.

White or yellow, double flowers in clusters for beds, borders, or cutting, all Summer and Fall. Sow December to April. Germination period 10 to 15 days.

CAPENSIS (Feverfew). Semi-double white; 2 feet.

EXIMIA. Fully double type; 1 foot.

Golden Ball. Golden yellow.

Snowball. Pure white. Pkt. 10c.

MATTHIOLA bicornis, Evening-scented Stock. ma-thy'-o-la.

Sun.

Mauve, small, single flowers, valued for their evening fragrance; 2 feet. Sow January to July. Try them broadcast in a sunny corner near your outdoor living room. Pkt. 10c.

MEXICAN POPPY. See Hunnemannia.

MEXICAN ZINNIA. See Zinnia Haageana.

MIGNONETTE, Reseda odorata. re-zee'-da. Sun.

Deliciously fragrant small flowers in spikes; 1 foot. Sow any month. Germination period 2 weeks.

Machet Red. Large red spikes. Pkt. 10c.

Golden Goliath. Large golden yellow. Pkt. 10c.

White Goliath. Unusual large white. Pkt. 10c.

Sweet Mignonette. The old-fashioned favorite. Pkt. 10c.

MIMULUS. mim'-you-lus. Partial shade, sun.

Tigrinus, Monkey Flower. White, yellow, orange, copper and red, showy spotted flowers for partial shade; 10 inches. Sow March to June. Germination period 5 to 10 days. **Queen's Prize Mixed.** Pkt. 15c.

MARIGOLD, Tagetes. ta-gee'-teez. Sun.

Orange, yellow, brown, striped, spotted; splendid for Summer and Fall bedding and cutting. Sow January to July. Germination period 5 to 10 days.

Cultural Note: The African Marigolds are heavy feeders, and thrive in rich soil, well-watered. The French Marigolds are, however, very light feeders, and bloom best kept on the dry side, in unfertilized soils.

AFRICAN. Tall double fistulosa; 2½ feet:

Orange Prince All-Double.

Lemon Queen All-double.

All-Double Mixed. Above 2 varieties. Pkt. 10c.

CARNATION TYPE:

Guinea-Gold. Loose-petaled orange.

Yellow Supreme. Loose-petaled yellow.

Gigantea, Sunset Giants. New giant-flowered type. **Mixed.**

Crown of Gold. Deep orange.

Burpee Gold. Improved odorless-foliaged Marigold, bright orange similar to Guinea-Gold. All above, Pkt., 10c.

CHRYSANTHEMUM-FLOWERED. New type, with compact head of small incurved petals:

Early Sunshine. Bright lemon-yellow.

Golden Bedder. Early, dwarf, yellow.

Hybrids Mixed. All shades of orange and yellow. Pkt. 10c.

Goldsmith. Soft golden-orange.

Yellowstone. A clear rich yellow counterpart of Goldsmith. 3 to 5 feet tall, with 2½-inch flowers. All America '42. Pkt. 15c.

FRENCH. Tall sorts, 3 feet:

Tall Double Harmony Hybrids. Mixed.

Double Mixed. All colors.

FRENCH. Dwarf sorts, 10 inches or less:

Butterball. All America Winner. Soft butter yellow, lightly tipped with maroon on the center petals. The 6 to 8-inch mound-like plants are literally covered with 2-inch blooms of unusual yellow. Very early flowering. Butterball produces a blanket of color for many weeks.

Harmony. Deep orange with maroon collar of broad petals; very even habit.

Harmony Hybrids. Showy combinations of gold, yellow, and maroon.

Scarlet Glow. Brightest red of all Dwarf-Double Marigolds.

Spotlight. New red, yellow center.

Sunkist. Rich orange companion to Marigold Butterball, delightful for borders or pots. Its 6-8 inch plants are early and free blooming.

Yellow Pygmy. New soft lemon-yellow, very dwarf and compact; splendid Summer edging.

Naughty Marietta. Gold, with mahogany base, single.

Spry. Extra dwarf French type; outer petals maroon, surrounding center of crested light orange petals. Pkt. 10c.

Tagetes signata pumila. Bright yellow, tiny single flowers in great profusion on compact bushes for edgings; 8 inches. All French Marigolds, Pkts. 10c.

Cymbidium Orchids

These are spectacular, large flowered, spray Orchids which are easily grown in pots or shaded beds in Southern California gardens, or as hot house plants elsewhere. They make clumps of grassy foliage 2 to 4 feet high, and in Winter and Spring carry great sprays, from 1 to 3 feet long, of most beautiful Orchids in tones of pink, lavender, yellow, white, bronze, chartreuse and delicate green. The colors of hybrids are variable, and even in the same variety, there will be a rather wide range of color. We cannot guarantee a specific shade, but they will all be beautiful. We offer the very finest hybrids, true collectors items, including the rare and beautiful crosses of:

Alexander Westenbirt F.C.C.
Pauwelsi-Comte de Hemptinne F.C.C.
Ceres-F.C. Hanbury F.C.C.

Plants are available in various sizes and prices. Growing back bulbs of the choicer crosses beginning at \$15.00. Standard Cymbidium Hybrids, of the best quality, are strong growers and reliable bloomers. We can supply plants of varying sizes and prices. Back Bulbs with sturdy vegetative growth are priced at \$1.00 up. Write for a list of available varieties.

OSMUNDINE FIBRE. For planting Cattleya orchids. Pack carefully and tightly around the roots. No soil required. Per lb., \$1.00. Postpaid.



FRENCH MARIGOLD



CYMBIDIUM ORCHID, PAUWELSI

NASTURTIUM, *Tropaeolum*. tro-pe'e-o-lum. Sun, part shade.

Bright flowers, very easily grown; the dwarf sorts for edgings in sun or partial shade, the tall covering low fences, or trailing as a ground cover, and both furnishing bouquets. Sow any time. Germination period 10 to 14 days.

DOUBLE FLOWERING GLEAM HYBRIDS. Spreading type: **Golden.** Large, fragrant golden yellow flowers in profusion.

Mahogany: Moon, soft creamy yellow; **Orange:** **Salmon:** **Scarlet.**

Gleam Hybrids. Cream yellow, orange, scarlet, crimson, yellow spotted red, etc. **Mixed.** All above, oz. 50c; $\frac{1}{2}$ oz. 30c; Pkt. 15c.

DOUBLE DWARFS. Gem Type; 10 inches:

Golden Globe. New double, rich yellow dwarf.

Scarlet Gem. Vivid red, green leaves.

Gem Mixture. All colors. Oz. 35c; Pkt. 10c.

SINGLES:

Dwarf. Mixed. All colors; 10 inches. Oz. 45c; Pkt. 10c.

Tall or Trailing, California Giants Mixed. Oz. 45c; $\frac{1}{2}$ oz. 25c; Pkt. 10c.

NEMESIA. ne-mee'-she-a. Sun.

Orange, yellow, rose, scarlet flowers in clusters; for showy beds and borders in Winter and Spring. Sow October to April. Germination period 20 days.

Strumosa grandiflora Suttoni. Large flowered blue, orange, rose, scarlet, mixed. 1 foot. Pkt. 10c.

Compacta Blue Gem. Splendid forget-me-not-like bedder; 7 inches. Pkt. 10c.

NICOTIANA affinis, Sweet-scented Tobacco Plant.

Nik-ko-she-ain'-a. Sun, light shade.

Sun or partial shade.

White, pink, lavender, and crimson, large, open flowers with long tubes, very fragrant at night; easily grown, quick and continuous-flowering; 2 to 4 feet. Sow where to remain. October to June. Germination period 10 days.

Waxy White; Crimson King; Pink Shades; Hybrids Mixed. All colors. Pkt. 10c.

Dwarf Crimson Bedder. Pkt. 10c.

NEMOPHILA insignis, Baby Blue Eyes. nem-off'-i-la.

Sky-blue or white cups; California native; for beds and bulb-cover in sun or partial shade; 6 inches. Sow where to remain. October to May. Germination period 7 to 10 days.

Clear Blue. Oz. 80c; $\frac{1}{2}$ oz. 45c; Pkt. 10c.

NEPETA mussini. Per. nep'-e-ta. Sun or shade.

Small blue flowers; grey foliage, ideal for rockeries and edgings; 1 foot. Sow January to April. Germination period 18 days. Pkt. 15c.

NIEREMBERGIA hippomanica, Dwarf Cup Flower. Per. Sun.

near-em-berj'-ia.

Lavender-blue. Open-cup flowers cover the compact, dwarf (5-inch) bushes all Spring and Summer. One of the best new flowers! Sow January to April for bloom first year. Pkt. 25c.

Purple Robe. Like the pale lavender *N. hippomanica*, in its compact growth, but its flowers are of deep violet, unfading in the sun. Purple Robe blooms in 15 weeks from sowing, prefers sandy soil and full sun, a splendid bedding and rock garden subject. Pkt. 25c.

NIGELLA, Miss Jekyll, Love-in-a-Mist. ny-jell'-a. Sun.

Semi-double, blue flowers, nesting in fine, feathery foliage; 1 $\frac{1}{2}$ feet. Sow February to May. Germination period 2 weeks. Corn-flower blue. Pkt. 15c.

OENOTHERA lamarckiana, Evening Primrose. Bien.

ee-noth'-er-a. Sun.

Yellow, large flowers, opening at dusk and fragrant in the evening; easily-grown background plant in sun or semi-shade; 4 feet. Sow December to March. Germination period 30 days Pkt. 10c.

ORCHIDS. See page 16.

ORTHOCARPUS purpurascens, Owl's Clover. Sun.

California native; pink blooms. Sow late Fall. Pkt. 10c.

PAINTED DAISY. See Chrysanthemum, Annual.

Pansies

PANSY. Sun or part shade.

Reds, purples, blues, yellow, and white; unsurpassed for low beds and edgings; 6 inches. Sow July to October for Winter, and until March for Spring and Summer. Germination period 10 to 15 days.

STEELE'S BUTTERFLY HYBRIDS. This is a new type of Pansy developed from Steele's famous Mastodon Jumbo strain. The petals of the huge flowers are ruffled, swirled and marked in a fascinating manner. The Butterflies come in pastel combinations of lavender, pink, soft blues, cream, soft yellow, and golden tan. Pkt. 75c.

Steele's Mastodon Jumbo Mixture. A superb strain of American grown pansies; all giant flowered in the widest known color range. Very fine. 1/16 oz. \$2.00; Pkt. 50c.

Super Maple Leaf Giants. Large flowered strain composed of light colors only. 1/16 oz. \$1.50; Pkt. 50c.

Engelmanns Giants. Large flowers in all colors but blue and red, never solid, as each flower has a lighter tone around the edges of petals. 1/16 oz. \$2.25; Pkt. 50c.

Roggli Swiss Giants (Originator's Seed). Large flowers with long stems. Plants are compact and early flowering. Contains both light and dark shades. Mixed colors. 1/16 oz. \$2.00; Pkt. 50c.

Alpenglow. Rich red.

Berna. Rich purple.

Blumlisalp. Clarke's Special Selection. A new Swiss Pansy with the rosy tints of sunrise in the Alps, from palest pink to raspberry-rose. Plant with white, blue or pink bulbs or azaleas for a lovely Spring garden effect. Pkt. \$1.25; $\frac{1}{2}$ Pkt. 75c.

Jungfrau. Pure white.

Gold Gelbe. Pure yellow.

Hohenfuer. Orange-red.

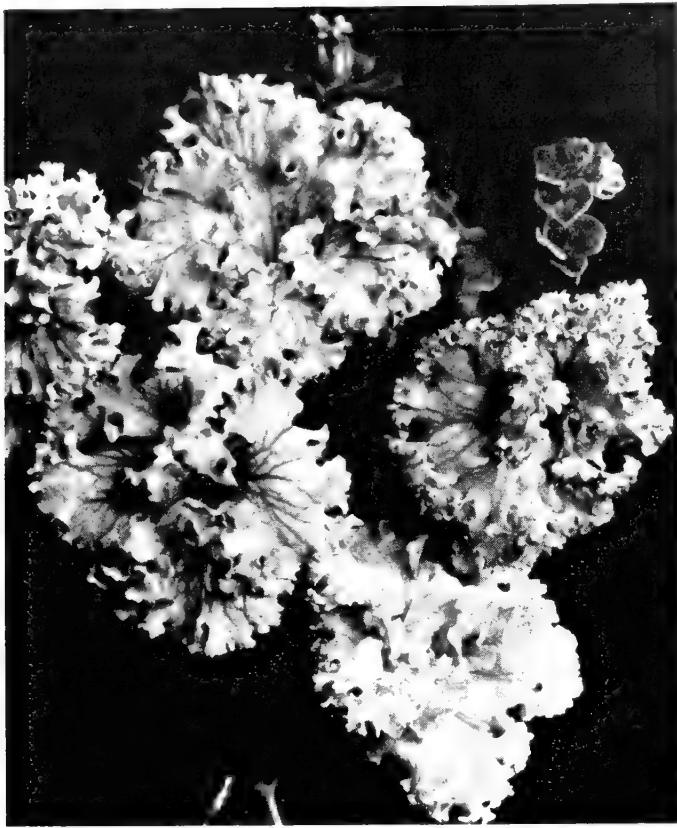
Lake of Thun. Deep blue.

Rheingold. Immense yellow with a dark center. Above packets, each color, 50c.

Climbing Pansy. Reaches a height of 3 or 4 feet, beautiful colors. Pkt. 50c.



PANSY, SWISS GIANT



RUFFLED PETUNIA.

Baby Delight. Lovely little Pansy with flowers smaller than Violas, clear light blue with wavy petals. Dwarf, compact plants. Ideal for late Spring planting because plants withstand heat well. Flower in 70 days. Pkt. 25c.

PENSTEMON. Per. pen'-ste-mon. Sun.

Pink, scarlet, crimson, purple or white tubular flowers with flaring petals, in showy spikes. Plant in beds and borders. Sow August-November for bloom the same season. Germination 17 days.

Heterophyllus Blue Gem. Rich blue. 1 foot bedding variety.

Sensation. The large flowered type. Good colors, fine for cutting.

Pink, Red, White or Mixed. 1/16 oz. 50c; Pkt. 15c.

Petunias

PETUNIA. Pe-too'-ni-a. Sun.

Pink, rose, red, lavender, blue purple, and white; unusually floriferous bedding plants, continuing in bloom from Spring to Winter. Sow January to July. Germination period 10 days.

Cultural Note: Mix seed with fine sand and sprinkle over surface of ready-moistened, finely-screened light soil-mixture in seed pans or flats. Cover with glass or damp burlap until seed sprouts; watering unnecessary if soil was properly moistened, although watering from below allowable. Remove cover when first sprouts show.

DWARF COMPACT PETUNIAS

A group of petunias ranging in height from the miniatures of 6 inches to others no taller than 12 inches. All are compact, free flowering annuals suitable to edging annual beds and borders or in masses by themselves.

Miniature

Nana compacta. Dwarf, ball-like plants, covered with blooms for a long season.

Rose Gem. Deep rose.

Violet Gem Improved. Rich violet blue.

White Gem. Clear white. All Pkts. 10c.

Nana compacta, Ruffled. Flowers attractively ruffled.

General Washington. Velvety red, blackish throat.

Martha Washington. Blush pink deepening to dark violet at throat. Pkt. 25c.

Mixed. Special mixture of the above varieties. Pkt. 25c.

Dwarf Bedding

Nana erecta. Dwarf plants averaging 9 to 12 inches in height. Showy flowers.

Celestial Rose. Improved Rose of Heaven. Bright rose.

Heavenly Blue. Light silvery blue. Pkt. 10c.

Innocence. A new white Petunia, as dwarf and compact as Snowball, with a fluffy, fringed flower like Lace Veil. Pkt. 25c.

Rosy Morn. Bright pink with white throat. Pkt. 10c.

Salmon Supreme. Rich salmon pink. Pkt. 25c.

Snowball. Pure white. Pkt. 10c.

Violet Blue. Rich blue purple. Pkt. 15c.

Mixed. Dwarf bedding varieties. Full color range. Pkt. 10c.

MEDIUM SPREADING PETUNIAS

Varieties in this group grow from one to two feet in height and have a tendency to spread out and develop masses of flowering stems. They are very showy when used in masses or as specimens placed among other plants. Long blooming season, keeping their freshness and vigor throughout the flowering period. Requires little care and water.

Hybrida:

General Dodds. Velvety blood red. Pkt. 10c.

Howards Star. Deep purple with pure white star. Pkt. 10c.

Mars. Large, deepest velvety crimson. Pkt. 20c.

Violacea. Rich purple. Pkt. 10c.

Choice Mixed. Large single flowered. Pkt. 25c.

Formula Mixture. Blended to include every known color in Petunias. Pkt. 10c.

Hybrida Grandiflora.

Pkts. 15c each.

Burgundy. Wine red.

Elks' Pride. Popular. Velvety; dark Elks' purple blooms.

White Cloud. Compact plants covered with pure white blooms.

Hybrida Pendula, Balcony Petunias. Popular spreading variety used extensively for masses of color in window boxes and in the front margins of borders, or in masses.

Blue. Dark blue purple.

Cornflower Blue. Light blue.

White.

Rose. Rose pink.

Mixed. Pkts. 15c each.

GIANT FLOWERED PETUNIAS

Ruffled and Double

All varieties listed below are exceptionally large flowered, with the distinction of having either beautiful ruffled or fringed petals or extremely double flowers. They are lovely when planted in pots or tubs as specimen plants.

RUFFLED PETUNIAS:

Copper Red. Ruffled coppery red with dark throat.

Dainty Lady. Fringed, palest yellow with deeper throat.

Fluffy Ruffles Mixed. Ruffled and fringed, delightful colors.

LITTLE GIANTS. Dwarf ruffled, with a wide variety of bright color combinations on plants which develop into well-rounded mounds 10 inches high. Pkt. 25c.

Glamour. Ruffled, luscious salmon rose.

Giants of California, Supreme Strain. Very ruffled, choice formula mixture.

Lace Veil. Fluffy, fringed white.

Marilyn. Ruffled, rich salmon; veined throat.

Theodosia. Fringed, rosy pink, golden throat.

Ramona. Ruffled pink and rose shades.

Ruffled Monster Mixed. Huge, with darkly veined throats. Pkt. 25c.

All above varieties: Pkts. 25c each; 5 for \$1.00.

DOUBLES:

All Double America. Soft pink, carnation-type flowers, charming in pots. Pkt. 50c.

Colossal Shades of Rose. Silver Medal A.A.S. '46. Large flowered double rose in waved, ruffled and fringed petaled types. Color shades range from a few light and salmon-pinks to deep pinks and purplish-rose. 18 inches. Pkt. 50c.

Deep Purple. Rich, velvety, very double. Pkt. 75c.

Giant Double Fringed. A choice mixture producing 95% perfectly formed giant flowers including Giant Double Ruffled and Giant Double Fringed forms in a magnificent color range. Very choice. Pkt. 50c.

Mrs. Dwight D. Eisenhower. Large, double salmon blooms, on bushy, dwarf plants. An All America winner. Pkt. \$1.00.

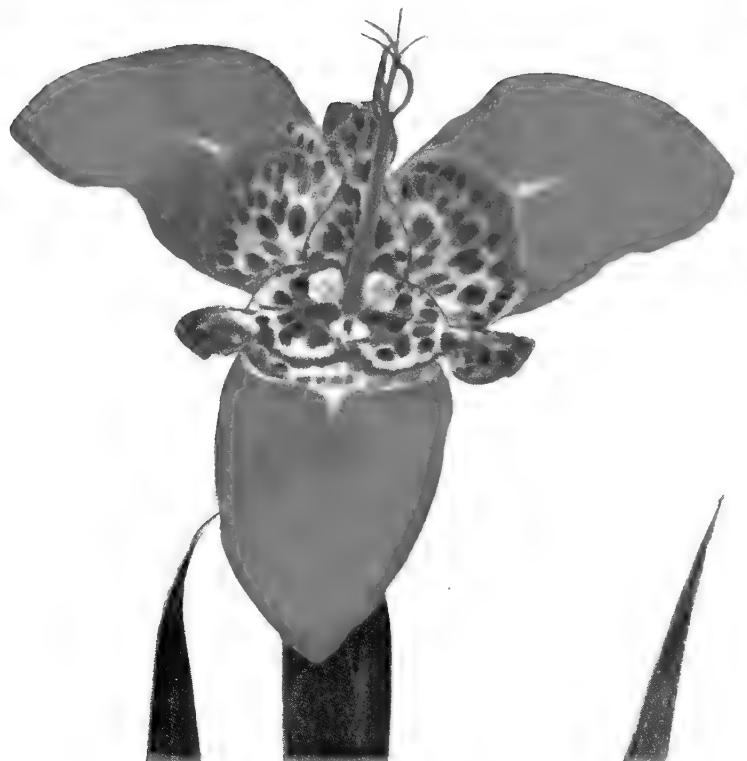
PHACELIA. fe-see'-li-a.

Blue shades; native. Sow November to April. Germination period 15 days.

Campanularia (California Blue Bell). 6 inches; gentian-blue bell-flowers for edging, flowering quickly. 1/4 oz. 35c; Pkt. 10c.

Tanacetifolia (Wild Heliotrope). 2 feet; mauve-blue cluster, good for bees. 1/8 oz. 25c; Pkt. 10c.

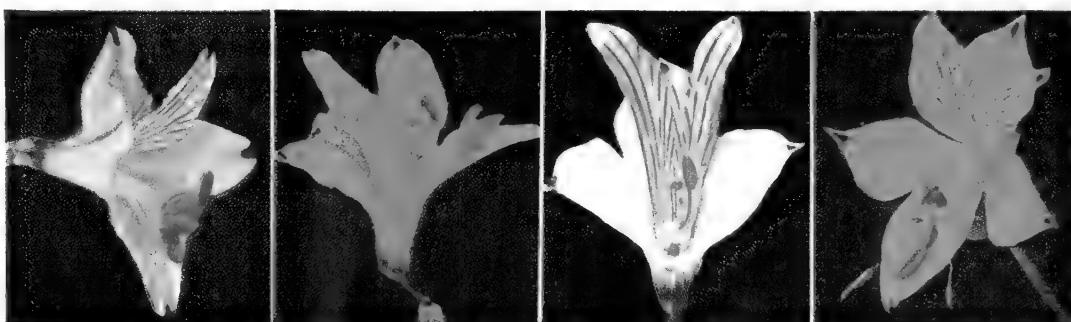
Whitavia (Wild Canterbury Bell). 1 foot; dark blue bells in sun, or partly-shaded beds. 1/4 oz. 35c; Pkt. 10c.



TIGRIDIA (Mexican Shell Flower)
A rare and striking bulb flower which grows quickly from seed. The colors are shades of lavender yellow, white, pink and red. Pkt. 25c.



FUCHSIA HYBRID
Our hybrid mixture includes fine and unusual double and single varieties, charming for long summer bloom in shady places. Pkt. 50c.



ALSTROEMERIA (Peruvian Lily)
A splendid cut flower. The plant forms many bulbs which may be dug and replanted each year. Pkt. 25c.



RUFFLED PETUNIA
The famous Ramona dwarf strain of California Giants, perfect for pots, covered with huge richly colored flowers. Pkt. 25c.

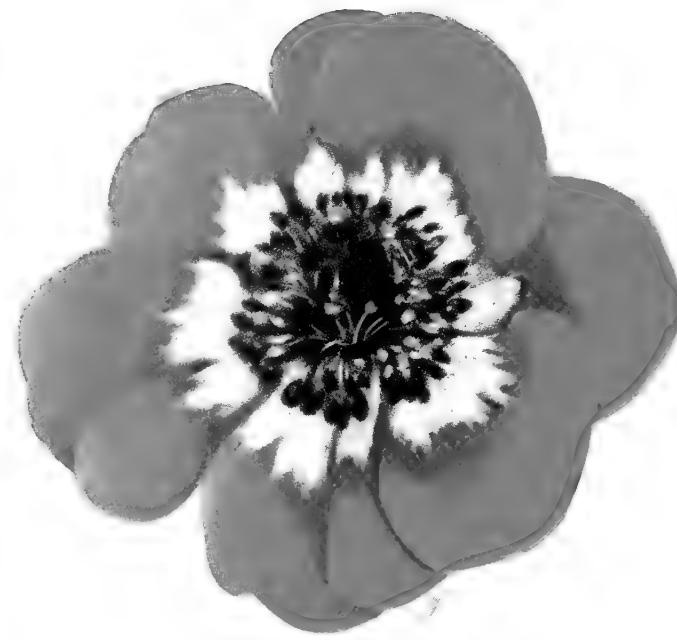


GOLDEN GLEAM LILY
An unusual Lily to dramatize your garden borders. It grows readily from seed. Pkt. 25c.



CAMELLIA HYBRID

Interesting new varieties are grown from seed. 25
Seeds, \$1.00.



ANEMONE (De Caen Hybrids)

The blend of white, red, and blue shades
make a gay spring border. Pkt. 25c.



ZINNIA, GOLDEN QUEEN

A California Giant, for long hot weather bloom. There
are 10 other separate colors in this group. Pkt. 15c.



TUBEROUS BEGONIA

In our '51 Ruffled Novelty mixture are unusual flower
forms in indescribably lovely shades of pink, rose, yellow,
red, apricot, salmon and white. Pkt. 75c.



OREGON GROWN GLADIOLUS BULBS

These Plump, "High Crown" Bulbs
Produce Many Flower Spikes
and Prize Blooms

BEAUTIFUL SEPARATE COLORS
DOZEN 85c

RAINBOW MIXTURE
DOZEN 50c

PANSY RHEINGOLD

A life-size portrait of a Roggli's Swiss Giant Pansy. The originator's seed, direct from Switzerland, is available in six striking separate colors and a gorgeous mixture. Pkt. 50c.



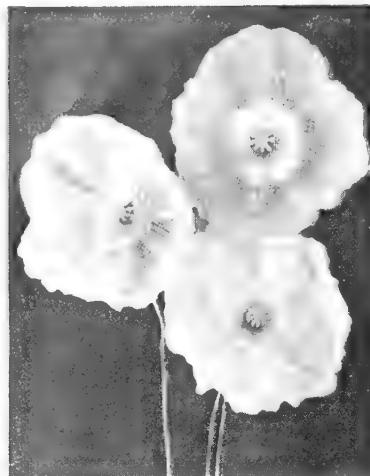
FREESIA

Another bulb flower that grows beautifully from seed. Campbell's strain combines new colors and old fashioned fragrance. Pkt. 25c.



GERBERA Transvaal Daisy)

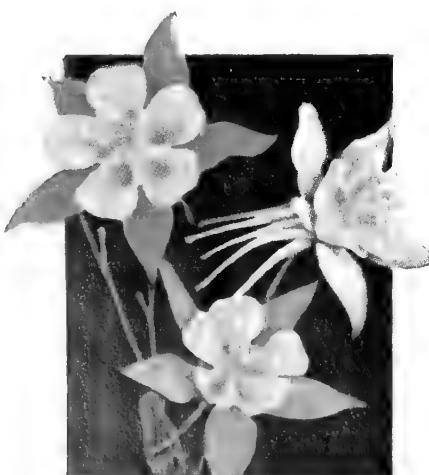
Striking new South African Hybrids. They are easily grown perennials, which need little water. Pkt. 25c.



ICELAND POPPY
The Kelmscott strain offers
the most beautiful color
range. Pkt. 25c.



REGAL LILY
A stately June garden accent, hardiest of all the lilies.
Pkt. 25c.



AGUILICIA (Columbine)
Campbell's Hybrids are ex-
ceptionally long-spurred, de-
lightful for naturalizing.
Pkt. 25c.



PRINCESS ASTERS
The popular new cushion-centered type which lasts so
long as a cut flower. The branching stems yield many
blooms. Pkt. 25c.



SWEET WILLIAM
A spicy, old fashioned per-
ennial for borders and sum-
mer bouquets. Pkt. 10c.



GIANT HYBRID AMARYLLIS
A huge exotic lily, hardy for potting or garden beds.
Seeds 5c each, 25 for \$1.00.

Phlox

PHLOX decussata grandiflora. Per.

Pinks, reds, lavenders, purple and white; showy Summer border plant; seeds slow to germinate, taking from 6 weeks to 6 months; 3 feet. Sow October to March. **Mixed.** Pkt. 15c.

PHLOX drummondii grandiflora.

Pink, reds, lavenders, salmon, yellow, and white; easily-grown, Spring, Summer and Fall bedder. Sow January to July. Germination period 10 to 15 days.

ONE-FOOT VARIETIES:

Brilliant Rose.

Dark Red.

Fiery Scarlet.

Flesh Pink. Rose eye.

Isabellina. Creamy yellow.

Violet. White eye.

Mixed.

SIX INCH VARIETIES:

Dwarf Salmon Pink.

Snowball, Butterball.

Fireball. Brilliant red.

Dwarf Mixed.

All above. Pkts. 15c.

GIGANTEA. Extra-large-flowered strain:

Salmon Glory. New salmon-pink, with cream eye. Pkt. 15c.

Red Glory. Rich bright red.

Rosy Morn. New bright rose-pink, with white eye.

Art Shades Mixed. Contains the above, and other light shades. Pkt. 20c.

PHYSALIS franchetti, Chinese Lanterns. Bien.

Orange-scarlet pods the second year, beautiful dried for Winter decoration; 1½ feet. Sow January to June. Germination period 3 weeks. Pkt. 25c.

PHYSOSTEGIA Virginiana. Obedient Plant. Per.

fy-soh-stee'-ji-a. Sun or part shade.

Lavender-pink, tube-shaped flowers in showy spikes on bushy border plant in July and August; 4 feet. Sow September to May. Germination period 25 days. Pkt. 15c.

PLATYCODON grandiflora, Bell Flower. Per.

plat-i-koh'-don.

Part shade, sun.

Blue, balloon-like buds opening into large, deep blue bell-shaped flowers, for partly shaded borders; 1½ feet. Sow August to March. Germination period 12 to 15 days. Pkt. 15c.

PLATYSTEMON californicus, Cream Cups. plat-i-stee'-mon.

Sun.

Native; creamy-white flowers like miniature double Shirley poppies. Sow October to March in full sun, where to remain. Pkt. 15c.

Poppies

POPPY, Papaver sp. pay-pay'-ver. Sun.

Pink, rose, orange, and red shades, quick, showy, large-flowered bedders, which may be cut if the cut ends of the stems are singed. Sow November to May. Germination period 10 to 14 days.

SHIRLEY. Crinkled petals and hairy foliage; 1½ feet:

American Legion. Large orange-scarlet.

Wild-Rose Pink.

Single Formula Mixture. Many choice shades.

Double Camellia-flowered. Pkts. 10c.

TALL SORTS. Smooth foliage: 3 feet.

Double Mixed. Pkt. 10c.

POPPY. Per.

Sow August to March. Germination period 10 to 15 days.

Glauicum. 3 feet; deep, glossy orange, smooth foliage; magnificent specimen plant. Pkt. 10c.

NUDICAULE (ICELAND). 1½ feet, with crinkly-petaled flowers on long stems above low leaf-clumps, fine for edgings and bouquets; bloom first year.

Coonara Pink. Beautiful shades of pink and rose.

Pastel Tints. New.

Kelmscott Strain. The finest and most beautiful color range—many creams, biscuits, pinks and salmons with the white, yellow and orange. Long strong stems. Pkt. 25c.

Gartref Hybrids. Giant flowers in beautiful shades, picotee-edged.

Empress. Lovely, large salmon-rose shades.

Emperor. Giant orange.

White. Pure white.

Yellow Wonder. Giant buttercup-yellow. Pkt. 15c.

ORIENTAL HYBRIDS. Strong foliage and stems; huge flowers

Salmon Shades. Huge flowers; 3 feet tall. Pkt. 15c.

Mixed. In salmon, rose, orange and red shades (2½ feet). Pkt. 15c.

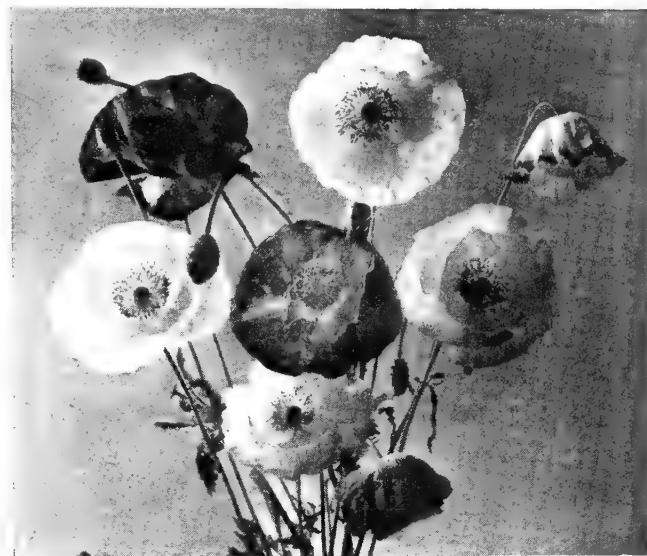
PONTULACA grandiflora, Moss Rose. pohr-tew-lak'-ka. Sun.

Pink, rose, lavender, yellow, orange, and red shades; showy ground cover and bedder, standing hot, dry situations; 6 inches. Sow February to May. Germination period 2 weeks.

Single, Rainbow Mixed. ¼ oz. 75c; Pkts. 10c.

Double, Reselected Mixed. ½ oz. \$1.00; Pkt. 15c.

Jewel. Rich rose, single. Pkt. 15c.



SHIRLEY POPPY, SINGLE MIXED

Primulas

PRIMULA, Primrose. prim'-you-ſa. Shade.

Showy flowers for pots and beds in shade.

Cultural Notes: Sow seeds on surface of compost half fibrous loam, balance equal parts leaf-mold, decayed cow manure, and sharp sand (if manure is not old, it is better left out), pressed firmly in flat, or 6-inch pot, half filled with drainage. Sprinkle seeds thinly with similar soil, and cover with pane of glass. Shade from sun and keep moist from below. May is best month, but sowings may be made successfully any time.

POLYANTHUS. Per. English-type; 6 inches.

Yellow, orange, brown, red, purple flowers in large clusters. Germination period 60 days.

Blue Shades. From forget-me-not blue, through sapphire to purple, slower germination. Pkt. 75c.

Red Shades. Large, dark velvety red to flame. Pkt. 50c.

Yellow Gold. Choicest, largest yellows. Pkt. 50c.

Pastel Blend. Clark's Colossal, hand-pollinated strain. Pink, salmon, lavender, apricot, new color breaks. Pkt. \$1.00; ½ Pkt. 50c.

Giant Munstead Strain. Mostly yellow shades.

Giant-flowered Hybrids. All colors. Pkt. 50c.

MALACOIDES, Baby Primrose:

Feathery clusters of small flowers for Winter and Spring beds and edging; 1 foot. Germination period 3 weeks.

Brilliancy. New rose-red.

Lavender. Large-flowered.

Snow Queen. Pure white.

True Rose. Deep rose-pink. Pkts. 25c; 5 for \$1.00.

GIANT-FLOWERED. Malacoides Strain:

Cameo. Semi-double, orchid with center petals lighter and slightly crested, giving cameo effect.

Double Fairy Jewels. Rich rose-pink.

Enchantress. Soft salmon-rose.

First Lady. Double. Center petals swirled and crested. White with a faint pink flush.

Lavender Glory. Deep lavender.

Snow-Flake. Pure white.

Sweetheart. The first bi-color primula, bright salmon-pink, white bordered, huge florets on wiry stems.

Twinkles. Double, a soft flesh pink with picotee pencilings of rose, crested double centers. Pkts. 50c.

OBCONICA:

Large flowers, from December to July; 10 inches. Germination period 20 days.

Berlin Red (Fassbender Strain). Huge deep red.

Coerulea. Clear blue.

Lachsrosa. Fine new salmon-rose.

White. Large pure white.

Wyaston Wonder. Largest flowered Crimson.

Grandiflora Mixed. Pkt. 50c.

PYRETHRUM roseum hybridum. Per. Sun.

Pink, rose, and red, large daisy flowers above feathery foliage for beds and bouquets; 1 to 2 feet. Sow September to May. Germination period 3 weeks.

Aureum. Golden Feather for edging. Pkt. 15c.

Grandiflorum Single Mixed. Pkt. 25c.

Double Mixed. Pkt. 25c.

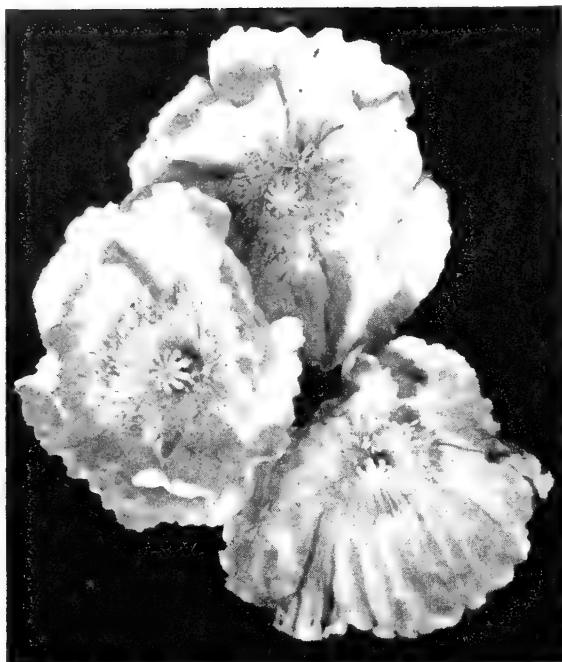
QUEEN ANNE'S LACE FLOWER. Sun.

White, tiny flowers in umbels, the whole forming large lacy heads. Attractive in the mixed bed, and useful as a cutter-flower filler; 2½ feet. Sow February to May. Pkt. 10c.

RANUNCULUS. Per. rah-nun'-cue-lus. Sun.

Beautiful Spring flowers in shades of pink, white, red, yellow and rose. Sow from July to November for bloom February to May. Germination period 30-40 days.

Tecolote Giant Double Hybrids Mixed. Pkt. 50c; Small Pkt. 25c



ICELAND POPPY, KELMSCOTT

SCABIOSA,
ISAAC HOUSEHELIANTHUS,
SUN GOLD**Peace.** White, semi-dwarf.**Rosette.** Deep rose pink (15c).**Salmon Beauty.** New, light salmon shades (15c).**Shasta Improved.** Giant pure white.**Giant Hybrids Mixed.** Large flowers, rare colors. $\frac{1}{4}$ oz. 35c; Pkt. 10c.**CAUCASICA** (2 feet). Per.**Isaac House Hybrids.** Shades of blue, lavender, and white. Pkt. 25c.**SCHIZANTHUS, Poor Man's Orchid.** sky-zan'-thus.

Partial shade.

Chamois, rose, lavender, and purple shades, beautifully marked and unusually formed flowers and fern-like foliage for pots or partly shaded beds; 1½ feet. Sow November to May. Germination period 2 to 4 weeks.

Grandiflora Hybrids, Dr. Badger's Improved. The finest pot strain. Pkt. 25c.**Grandiflora Mixed.** For bedding or Spring ground or bulb cover. Pkt. 15c.**SHAMROCK.****Irish Shamrock.** An interesting pot plant for Saint Patrick's Day. Pkt. 25c.

SWEET PEAS, EARLY FLOWERING SPENCER

ROCKERY PERENNIALS, Mixed. Per. Sun.

A splendid special mixture of 24 hardy, low-growing perennials, unusually interesting to grow, and, of course, ideal for rock gardens; 6 to 12 inches. Sow October to May. Pkt. 15c.

RUDBECKIA, Cone Flower. rud-beck'-i-a. Sun.**Indian Maid.** Golden yellow, single daisies, with brown cone-shaped centers for borders or cutting, in sun or partial shade; 3 feet. Sow August to May. Germination period 8 to 10 days.**Starlight.** Primrose yellow to mahogany and bi-colors, semi-double. Pkt. 15c.**Rose Cone Flower.** Unusual and beautiful. Pkt. 15c.**SALPIGLOSSIS, Painted Glories.** sal-pi-glos'-is. Sun.

Rose, red, yellow, purple, and white, large rich velvety flowers mostly veined with gold, for a striking bed or bouquet. Sow November to May, preferably early, as they make their best growth during cool weather. Sow where to remain, or transplant young. Germination period 2 weeks.

Emperor Mixed. 3 to 4 feet tall. $\frac{1}{4}$ oz. 45c; Pkt. 10c.**SEMI-DWARF.** New sturdy strain; 1½ feet:**Silver, Blue and Gold.** Mid-blue veined silver.**Rose and Gold.** Rich rose, golden veins and stripes.**Red Star Chamois.** Buff-yellow, broad red stripes, star-like from gold throat.**Violet and Gold.****Mixed.** Large Pkt. 35c; Small 15c.**SALVIA, Sage.** Per. sal'-vi-a. Sun.

Red or blue flowers in spikes, for Summer and Fall beds; bloom first year. Sow February to May. Germination period 2 weeks.

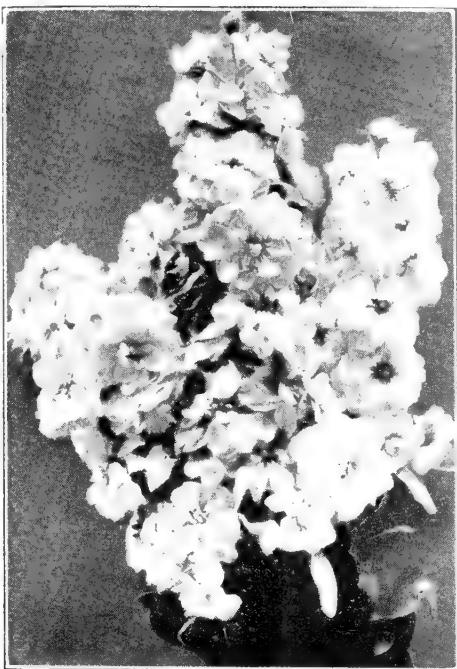
Farinacea, Blue Bedder. Mid-blue, woolly stems and bracts. Pkt. 15c.**Blaze of Fire.** Compact, vivid scarlet; 1 foot. Pkt. 25c.**Patens.** Pure indigo blue. Pkt. 15c.**Splendens America.** 2 feet; bright red. Pkt. 10c.**SANVITALIA procumbens.** san-vi-tal'-i-a. Sun.

Orange-yellow, zinnia-like flowers on trailing plant for hot, dry situations; 6 inches. Sow January to May. Germination period 10 days. Pkt. 10c.

SAPONARIA vaccaria rosea. sap-o-nair'-i-a. Sun.Rose flowers in graceful sprays, like a large-flowered Gypsophila; 2 feet. Sow February to April. Germination period 10 days. $\frac{1}{4}$ oz. 25c; Pkt. 10c.**SCABIOSA, Pincushion Flower.** Sun.

Blue, pink, white, yellow, scarlet, and crimson, large double flowers on long stems for beds and bouquets; 3 feet. Germination period 2 to 3 weeks.

Cultural Note: Annual Scabiosas, although they will bloom in Summer, do best in cool Spring months. Hence, advisable to sow in early Fall in warm sections, and in late Winter in cold climates. In Southern California, plants Winter over and give their best flowers early this second Spring. Thrive in sun, in any good soil.**Ageratum Blue.** Best lavender-blue.**Azure Fairy.** Sky blue.**Blue Moon.** New mid-blue, ball-shaped flowers on extra-long stems (15c).**Heavenly Blue.** New dwarf; 18 inches; azure blue (15c).**King of the Blacks.** Maroon red.**Loveliness.** Salmon pink.



STOCK, CALIFORNIA GIANT

Stocks

STOCK. Sun.

Splendid fragrant bedding and cutting plant. Sow July to March. Germination period 5 to 10 days.

Cultural Note: Stock seedlings should be transplanted early; plants must not suffer a check at any time as permanent stunting may result. Soil should be deep and rich, but well-drained, and never over-watered.

DWARF TEN-WEEK (15 inches), best Summer flowering type, and only strain recommended for outdoor growth in East and Middle West.

All Colors Mixed. 1/16 oz. 35c; Pkt. 15c.

DOUBLE GIANTS OF CALIFORNIA

GIANT IMPERIAL, IMPROVED. 3 feet.

***Golden Gate.** Yellow.

***Mojave.** Rich purple.

Santa Barbara. Chamois pink.

***Santa Maria.** Giant white.

Sequoia. Carmine rose.

***Tahoe.** Large clear lavender.

***Yosemite.** Large rose-pink.

***Red Woods.** Blood red.

All Colors Mixed. 1/16 oz. 45c; Pkt. 15c. Separate colors: Pkt. 20c; 6 for \$1.00.

MAMMOTH BEAUTY OF NICE. 2 feet:

Aurora. Cream-tinted pink.

Beauty of Nice. Flesh pink.

Belle of Naples. Old rose.

Many Shades Mixed. Pkt. 15c.

BROMPTON; Emperor or Winter. 1 1/2 feet; flower March to May:

Empress Elizabeth. Bright deep pink.

Crimson King. Rich red.

Violetta. Deep violet-purple.

White Lady. Pure white. Pkts. 25c; 5 for \$1.00.

COLUMN or DOUBLE GIANT EXCELSIOR

The very finest Stock flowers, produced on non-branching plants, striking for cutting or garden effects.

Apricot

Rose Pink

Gardenia

Purple Heart

Illusion. red.

Yellow Wonder

Lilac Blue

Choice Mixed

Pkt. 25c.

SHASTA DAISY, Chrysanthemum maximum. Per. Sun.

Large white border and cutting flower. Sow any time. Germination period 10 to 14 days.

Alaska. Largest-flowered; 2 1/2 feet.

Marconi. Double curled "Chiffon" type. Pkt. 15c.

Double and Crested Mixed. New beautiful strain, with large ball-shaped double flowers or single, anemone-centered blooms. Large Pkt. 50; Small Pkt. 25c.



RANUNCULUS, TECOLOTE GIANTS

Sweet Peas

SWEET PEAS, Lathyrus odoratus. Sun.

Early Flowering Spencer is the best strain for California and the South, or for greenhouse use anywhere, blooming from December to June if planted in August or September. Flowers are very large, wavy, 3 to 4 on long stems. Sow August to March. Germination period 10 days.

BEST NEW VARIETIES

Bonanza Nugget

Sutter's Gold Raspberry Pink

Pkt. 25c.

Leading Popular Varieties. Oz. 75c; 1/2 oz. 40c; 1/4 oz. 30c; Pkt. 10c.

Bacchus. Red-purple.

Bridesmaid. Silver-pink.

Blue Danube. Clear blue.

Boon. Coral or flame pink.

Cinderella. Light blue.

Daphne. Salmon and cream.

Gardenia. Fragrant white.

Mars. Rich blood-red.

Memory. Orchid-lavender.

Oriental. Deepest cream.

Othello. Deepest maroon.

Shirley Temple. Rose-pink.

Top Hat. Blue-purple.

Tops. Bright rose-pink, yielding 5 and 6 giant flowers per stem.

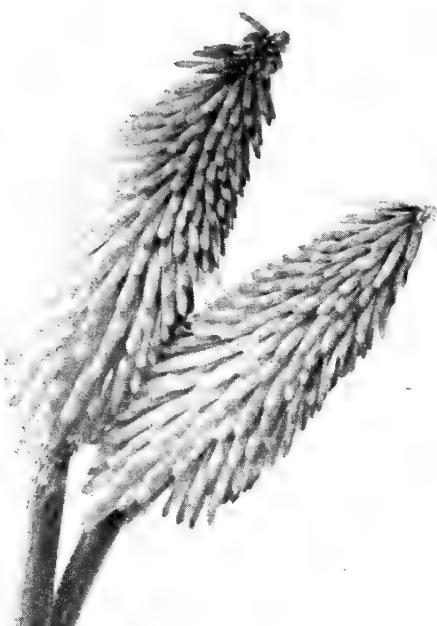
Vulcan. Vivid scarlet.

Fortyniner. Glowing orange, frilled.

Mariner. Clear marine blue.



SHASTA DAISY, DOUBLE



TRITOM, RED HOT POKER

Cuthbertson Strain, Mixed. Heat-resistant, later blooming.
Campbell's Special Mixture of Named Early Spencers contains all the above varieties. Oz. 50c; $\frac{1}{2}$ oz. 30c; $\frac{1}{4}$ oz. 15c.
Dwarf Spencer. For bedding (bushy plants; 1 foot). Pkt. 15c.
Bo-Peep. New early salmon pink. Pkt. 15c.
Cupid Mixed. 6 inches tall.

SIDALCEA. Per. sy-dal'-see-a. Sun.

Rose, mauve, and purple, hollyhock-like flowers in slender spikes for sunny borders and cutting; 3 to 4 feet. Sow September to May.

Rose Queen. Rose-pink.

New Hybrids Mixed. Pkts. 15c.

SNAPDRAGON. See Antirrhinum.**STATICE.** stat'-iss. Sun.

Pink, blue, and yellow, small everlasting flowers in clusters; 3 feet. Sow any time. Germination period 2 to 3 weeks.

Bonduelli. Yellow.

Sinuata Rose. True Blue. Mixed.

Suworwii, Russian Rat Tail. Rose. Pkt. 10c.

STATICE, Sea-Lavender. Per. Sun.

Straw-like flowers; basal leaves; 2 feet. Sow any time.

Caspia. Sprays of tiny lilac flowers, to mix in bouquets.

Perezi. Rich deep blue flower clusters, effective in borders. Pkts. 15c.

STEVIA serrata. Per. Stee'-vi-a. Sun or light shade.

White, fragrant, small flowers in large heads for beds and mixed bouquets; may be grown as an annual; 2 feet. Sow January to May. Pkt. 10c.

SUNFLOWER. See Helianthus.**SWEET WILLIAM, Dianthus barbatus.** Per. Sun.

Pink, red, and white flowers, like small pinks, in large clusters for beds and bouquets; 1 $\frac{1}{2}$ to 2 feet. Sow October to May. Germination period 7 days.

Newport Pink (Pink Beauty). Salmon rose.

Scarlet Beauty. Bright red.

Giant White. New, very large flowers in immense trusses like Per. Phlox.

Single Mixed. All colors. $\frac{1}{4}$ oz. 40c; Pkt. 10c.

Double Mixed. All colors. $\frac{1}{4}$ oz. 50c; Pkt. 15c.

SWEET SULTAN. See Centaurea imperialis.**TAHOKA DAISY.** Sun.

Large lavender, yellow-eyed daisies on long stems for cutting and show; feathery foliage; 1 $\frac{1}{2}$ feet. Sow February to May. Pkt. 15c.

TEXAS BLUE BONNET. See Lupinus texensis.**TITHONIA speciosa, Mexican Sunflower.** ti-thoh'-ni-a.

Orange-scarlet, glistening flowers, like large single Dahlias, on rapid-growing, shrub-like annual for backgrounds and cutting; 6 to 9 feet. Sow March to June. Germination period 25 days. Bloom October-November.

Bright Orange.

Fireball. Vivid orange-scarlet. 1/16 oz. 60c; Pkts. 15c.

TORENIA fournieri. Partial shade.

Rich blue flowers with golden centers, in profusion, for pots or beds; 9 inches. Sow February to June. Germination period 2 weeks. Pkt. 15c.

TRITOMA, Red Hot Poker; Kniphofia. Per. try-toh'-ma. Sun. Red, orange and yellow flowers, in large spear-shaped heads; foliage grass-like; 3 feet. Sow March to June. Early sowings often bloom first season. Germination period 3 weeks.

Pfizer's Hybrid Red. Large and brilliant.

Hybrids Mixed. All shades. Pkt. 15c.

VALERIANA, Garden Heliotrope. va-leer-i-an'-a.

Sun, partial shade.

Mixed. Rose, red, white; small flowers in heads, very freely produced; 2 $\frac{1}{2}$ feet. Sow December to April. Pkt. 10c.

Verbena**VERBENA hybrida.** Per. ver-bee'-na. Sun.

Pink, rose, red, lavender, blue, purple, white flowers in clusters, brilliant for bedding, and trailing ground cover; 1 foot. Sow December to August. Germination period 10 to 15 days.

GIGANTEA. Each floret in cluster usually as large as a quarter:

Blue. Deep blue, white eye.

Floradale Beauty. New, salmon-rose shades.

Lavender Glory. Large, best lavender.

Spectrum Red. Intense red.

White. Pure white.

Mixed. Including other shades. $\frac{1}{8}$ oz. 45c; Pkt. 15c.

ERECT, CUTTING VARIETIES:

Blue Sentinel. New velvety blue-violet.

Royal Bouquet Mixed. Pkt. 15c.

ANNUAL VERBENA:

Golden Queen. Good yellow; 1 foot. Sow November to May. Pkt. 15c.

VENIDIUM fastuosum. ve-nid'-i-um.

Glossy orange daisies with purple-black zone. 4 to 5 inches across, striking in the garden or cut; 2 to 3 feet. Sow January to May. Germination period 12 to 25 days. Avoid over watering.

Vivid Orange; New Hybrids. In a mixture of shades from orange through yellows to cream and white. Pkt. 15c.



PHACELIA CAMPANULARIA

VERONICA spicata. Per. Sun to partial shade.

Rich deep blue, tiny tubular flowers in long, pointed spikes for borders; 1 $\frac{1}{2}$ feet. Sow March to August. Pkt. 15c.

VINCA rosea, Periwinkle. Per. Sun to partial shade.

Pink and white, phlox-like, large flowers in sun or semi-shade; foliage dark, glossy green; 1 foot. Sown February to April, will bloom same year. Germination period 2 weeks.

Mixed. $\frac{1}{8}$ oz. 50c; Pkt. 10c.

VIOLA, Tufted Pansy. Sun, partial shade.

Flowers, although smaller than pansies, are produced even more freely, and make Violas ideal bedding and border plants for Winter and Spring; 6 inches. Sow July to March. Germination period 10 to 14 days.

Arkwright Ruby. New rich red.

Blue Perfection. Large clear blue.

Blue Butterfly. New, dark blue, upper petals pale blue.

Chantreyland. Improved apricot.

Firmament. Turquoise blue.

Lutea Splendens. Bright yellow.

Papilio. Blue, upper petals white.

White Perfection.

Bright Mixed. All colors. $\frac{1}{8}$ oz. \$1.25; Pkts. 25c.

Johnny-Jump-Up. Little, purple-and-gold pansy faces, for rockeries and edgings. Pkt. 15c.

VIOLET. Per. Sun to partial shade.

The Czar. Rich purple, very fragrant. Pkt. 15c.



AQUILEGIA,
COLUMBINE



NEMOPHILA,
BABY BLUE EYES

Campbell's California Wild Flower Mixtures

Will Grow Almost Anywhere, Cover Vacant Lots and Bare Corners, and Furnish Cut Flowers. An Ideal Souvenir!
Cultural Note: Best sown in late Fall in all climates, since they will bloom in late Winter and Spring in a mild region, yet lie dormant and sprout and bloom in early Spring in the cold sections of the United States. They may still be sown, with sure results, as late as April in Southern California, and June in the cooler sections. Broadcasting the seed, mixed with sand, over finely-pulverized soil in the open, is the best plan. Rake-in very lightly, or merely cover with scattered soil or peat. If in the Fall, do not water; if in the Spring when natural rainfall cannot be depended upon, keep moist until sprouted, and irrigate thereafter.

Campbell's Special Mixtures, in contrast to many cheap mixtures, contains only California natives. The two mixtures are alike (with more than 30 species represented, to give a long and interesting season of bloom), with this exception: There is no California Poppy in mixture No. 2, for those who may have these bright flowers already established.

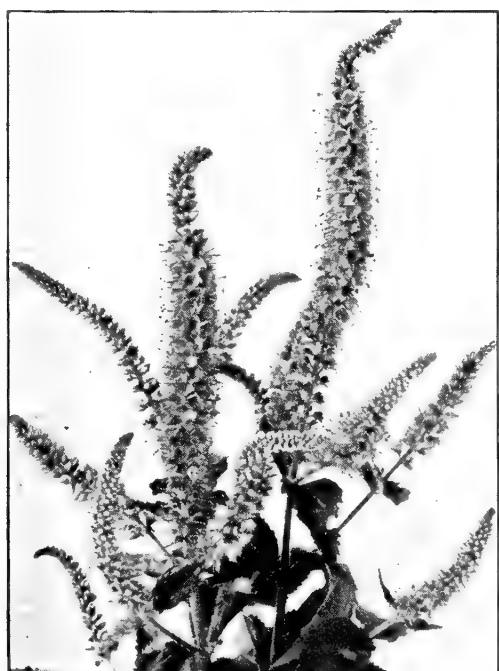
Mixture No. 1, including California Poppies. Lb. \$7.50; $\frac{1}{4}$ lb. \$2.85; oz. 75c; $\frac{1}{2}$ oz. 50c; Pkt. 10c.

Mixture No. 2. All varieties except California Poppy. Lb. \$8.50; $\frac{1}{4}$ lb. \$3.00; oz. \$1.00; $\frac{1}{4}$ oz. 40c; Pkt. 15c.

Souvenir Collection of 10 dependable California Wild Flowers, in separate 10c packets, our selection. **Special for 75c.**

VIRGINIAN STOCK, Malcolmia. Sun.

Rose, red, yellow, white, small single flowers cover these low, splendid Winter and Spring edging, bulb-bed and ground cover plants; 6 inches. Sow October to May. Germination period 12 days. **Mixed.** Oz. \$1.00; $\frac{1}{2}$ oz. 60c; Pkt. 15c.



VERONICA

VISCARIA oculata. vis-kair'-i-a. Sun.

Blue, pink, and white, large flax-like flowers, very effective in beds and bouquets; 1 foot. Sow October to April. $\frac{1}{8}$ oz. 35c; Pkt. 10c.

WALLFLOWER. Sun.

Rich reds, browns, yellows; fragrant, stock-like flowers, for bedding and cutting; 1 to 2 feet. Sow September to March. Germination period 10 to 14 days.

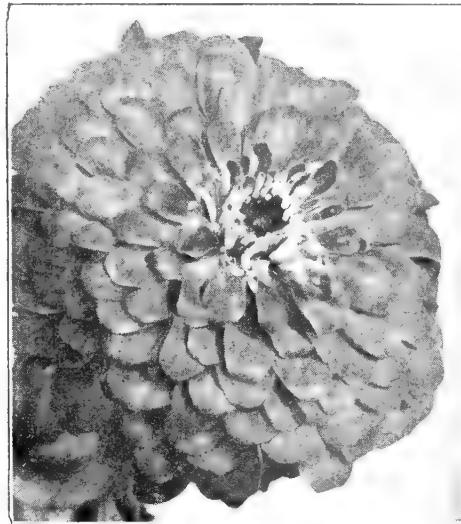
Single Annual; Blood Red, Paris Brown, Yellow, Mixed. Pkt. 10c.

Double Mixed. (Early Wonder.) Pkt. 15c.

Single Perennial Mixed. Pkt. 15c.

WILD CUCUMBER, Echinocystis lobata. Vine. Sun, partial shade.

Quick shade vine or ground cover trailer, with attractive, light green foliage, and curious prickly fruits (a hardy native gourd). Sow March to June. Germination period 10 to 20 days. $\frac{1}{2}$ oz. 30c; Pkt. 10c.



ZINNIA, CALIFORNIA GIANT

Zinnia

ZINNIA. zin'-ni-a. Sun.

Our Summer specialty. Pinks, reds, yellows, and purples, in vivid shades, unexcelled for Summer bedding and cut-flowers. Sow February to July. Germination period 5 to 10 days.

Cultural Note: Sow Zinnia seed where the plants are to bloom if this is at all possible; otherwise transplant when the seedlings are small. When watering, rather than use the sprinkler, irrigate by the trench method and let the water run slowly for several hours until it has soaked down thoroughly into the ground through and beyond the roots. You will then have maximum results, yet need to water the plants only once every two weeks if the top soil is properly cultivated a day or so after each irrigation.

DAHLIA-FLOWERED. Huge, loose-petaled, cup-centered flowers; $2\frac{1}{2}$ to 3 feet:

Canary Bird. Bright yellow.

Crimson Monarch. Huge rich red.

Dream. Deep rosy lavender.

Eldorado. Salmon-apricot shades.

Exquisite. Light rose with deeper center.

Illumination. Deep rose.

Golden State. Orange-yellow.

Luminosa. Vivid deep pink.

Meteor. The deepest red.

Oriole. Orange and gold bicolor.

Polar Bear. Large white.

Royal Purple. New, deep rich purple.

Will Rogers. Improved new scarlet.

Gold Medal Mixed (blended from named varieties). Oz. \$1.50; $\frac{1}{4}$ oz. 45c; Pkt. 15c, 7 for 85c.

Pastel Shades Mixed. Prices same as Gold Medal. Mixed.

CALIFORNIA GIANTS. Giant Mammoth. Huge, close-petaled, flat-topped blooms; longer-stemmed than the Dahlia-flowered type; 3 to $3\frac{1}{2}$ feet:

Apricot Queen. Beautiful salmon-orange.

Daffodil Improved. Canary yellow.

Enchantress. Light rose with deeper center.

Golden Queen. Deep yellow.

Grenadier. Deep rosy-red.

Lavender Queen. Rosy lavender.

Miss Willmott. Soft pink.

Orange King. Rich deep orange.

Purity. Pure white.

Rose Queen. Deep rose.

Scarlet Queen. Rich bright scarlet.

Pastel Mixed.

Named Varieties Mixed. All colors. Oz. \$1.50; $\frac{1}{4}$ oz. 45c; Pkt. 15c, 7 for 85c.



SANVITALIA

ZINNIAS
LINEARIS

HAAGEANA



ZINNIA, POMPON

Crown o' Gold. A new and pleasing Giant Dahlia-flowered Zinnia, with golden yellow overlaid on the base of the petals. **Super Crown o' Gold Pastel Mixture.** The aristocrat of Zinnias. $\frac{1}{4}$ oz. 60c; Pkt. 15c.

PUMILA ELEGANS, Cut and Come Again. Medium sized flowers with the truest Zinnia colors; 2 feet:

Canary Yellow; Crimson; Golden Orange; Salmon Rose; Scarlet; Spun Gold. New cream-yellow. All Colors Mixed. Oz. \$1.00; $\frac{1}{4}$ oz. 30c; Pkt. 10c.

FANTASY. New, informal Chrysanthemum-flowered type with slender, daintily-twisted petals:

Melody. Lavender.

Orange Lady. Orange.

Rosalie. Old rose.

White Light. Pure white.

Wildfire. New bright scarlet. Pkt. 15c.

Mixed. All Zinnia colors. $\frac{1}{4}$ oz. 45c; Pkt. 10c.

POMPON, Lilliput. Small, very double flowers, fine for edgings and bouquets; 1 to $1\frac{1}{2}$ feet.

Canary Yellow; Crimson Gem; Golden Gem; Lavender Gem; Salmon Rose; Red Riding Hood, scarlet; **Valencia,** burnt orange; **White, Pink.** Pkt. 10c.

PASTEL SHADES MIXED. New, soft colors found in no other Zinnia.

All Colors Mixed. Oz. \$1.50; $\frac{1}{4}$ oz. 35c; Pkt. 10c.

Black Ruby. New.

CUPID. New, with small, button-like flowers useful for cutting, on 1-foot plants. **Mixed.** $\frac{1}{8}$ oz. 35c; Pkt. 15c.

TOM THUMB LILLIPUT. Extra dwarf; 5 inches; very compact, for edgings and pots. **All Colors Mixed.** Pkt. 15c.

ZINNIA haageana, Mexican Zinnia.

Many unusual and attractive combinations of red, bronze, and orange, with yellow, cream, and white, as well as plain colors, make this dwarf Zinnia beautiful for beds; the stems are long enough for cutting; 1 to 2 feet. Sow March to July. Germination period 5 to 10 days.

Hybrid Mixed. $\frac{1}{8}$ oz. 35c; Pkt. 10c.

ZINNIA linearis.

New species with single, glistening orange-and-gold flowers on slender stems all Summer and Fall on compact 8-inch plants, ideal for showy Summer bedding. Sow March to July. $\frac{1}{16}$ oz. 30c; Pkt. 10c.

ZINNIA, Trailing. See Sanvitalia.

How Many Of These Do You Know?

Tuck several into your garden for interest.

ACROCLINIUM roseum hybridum. ak-roh-klin'-ee-um. Full sun.

Pink and white, double, everlasting flowers; often bloom in 8 weeks; $1\frac{1}{2}$ feet high. Sow November to March. Germination period 2 to 3 weeks.

New Sensation Giants, with richer colors and larger flowers; splendid for cut flowers, used either fresh or dried. $\frac{1}{8}$ -oz., 40c; Pkt. 10c.

ACROSTEMMA coronaria, Rose Campion. Per. Sun.

agross'-stem-ma.

Blood red flowers, with silvery foliage; for beds, or cutting; 2 feet. Sow March to September. Germination period 10 to 14 days. Pkt. 10c.

ALOE varigata, Partridge Breast Aloe. Per. Sun.

The finest, most favored succulent, with beautifully variegated leaves. Pkt. 25c.

ANAGALLIS grandiflora. a-na-gal'-lis. Sun.

Vivid blue, brick-red, lavender; for sunny rockeries, low beds and borders; 8 inches. Sow March to June. Germination period 3 weeks. **Blue, Red, and Mixed.** Pkt. 10c.

ARMERIA formosa, Sea Pink; Thrift. Per. ar-meer'-i-a. Sun.

Rose pink flower-clusters above grassy foliage; for cutting and borders. Sow January to July. Germination period 2 weeks. **Large-flowered Hybrids,** with large heads on 15-inch stems. Pkt. 15c.

AUBRIETA, Rainbow Rock Cress. Per. au-bre'-tah. Sun.

Lavender, pink, and purple flowers, resembling Virginian Stock, for sunny rockery or border; 6 inches. Sow January to May. Germination period 25 days. **Deltoides.** Blue-lilac. **Large-flowering Hybrids Mixed.** Pkt. 15c.

CERASTIUM tomentosum, Snow in Summer. Per. Sun.

se-ras'-tee-um.

White flowers and silvery foliage for sunny edgings and rockery; 8 inches. Sow January to June. Pkt. 10c.

DICTAMNUS fraxinella, Gas Plant. Per. Sun.

Pink flowering bushy plant, emitting a gas which may be ignited, 30 inches. Germination slow. Pkt. 15c.

MESEMBRYANTHEMUM. Per. Sun.

CRINIFLORUM, LIVINGSTONE DAISY. Slightly spreading plants, covered with pastel, daisy-like flowers, 3 inches tall. Pkt. 15c.

CRYSTALLINUM, ICE PLANT. Vigorous, rapidly spreading plants, with small pale pink flowers, 8 inches. Valuable for covering steep sunny banks. Pkt. 15c.

Germaco

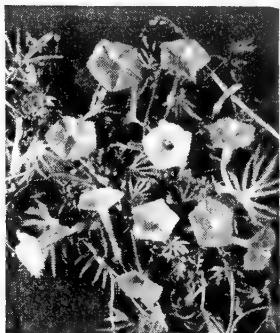
Hotkaps .. Help You Grow Earlier

Hardier Vegetables, Flowers

Germaco HOTKAP—Strong little hothouses—protect plants from destructive frost, storms, insects. University tests prove HOTKAPS increase yield 18% to 51%, nearly double early marketable yield, ripen crops 3 weeks earlier for highest prices. Quick, easy to set. 100 million used. Premium profits pay for them many times over. Order today. 25 Hotkaps with Setter, 50c. 100 for \$1.75. Postage extra.



Vines for All Uses



IPOMOEA DISSECTA,
MILE-A-MINUTE VINE

ANTICNON, leptopus, Per.

Rosa de Montana. A strong handsome vine with clusters of rose colored blossoms. Pkt. 15c.

ASPARAGUS Fern, Per. as-pa'-ra-gus. Partial or full shade. *Plumosus nanus*, feathery, fern-like foliage for bouquets. Sow March to September. Germination period 15 to 30 days. 100 seeds, 50c; Pkt. 10c.

AUSTRALIAN PEA VINE, Dolichos lignosus, Per.

Sun, part shade.

Rose-pink, small, pea-shaped flowers on rapid evergreen vine; sow November to March. Germination period, 12 days. Pkt. 10c.



COBOEA

CANARY BIRD VINE, Tropaeolum. Sun, part shade.

Striking and unusual yellow "birds" are on the luxuriant vine. Pkt. 15c.

CARDINAL CLIMBER, Ipomoea quamoclit hybrida, Sun. Vine.

Fiery-red tubular flowers on rapid vine; sow February to May. Germination period 10 to 15 days. Pkt. 15c.

COBAEA scandens, Cathederal Bells Vine. ko-bee'-a. Sun.

Violet-blue, large, bell-shaped flowers on very rapid, deep-green-leaved vine for sun or partial shade; sow seeds on edge, Feb. to May. Germination period 3 weeks. Pkts. 10c.



CYPRESS VINE

CYPRESS VINE, Ipomoea quamoclit, Vine. Sun.

Red and white star-shaped flowers on quick, twining vine with feathery foliage; sow February to May. Germination period 10 to 20 days. **Mixed**. Pkt. 10c.

DOLICHOS lablab, Hyacinth Bean, Vine. doll'-i- kos. Sun.

Rosey-purple pea flowers on quick vine, with showy purple pods; sow March to May. Germination period 10 days. Pkt. 10c.



AUSTRALIAN PEA VINE

GOURDS

Quick vines or trailers, with grotesque or ornamental fruits; sow March to June. Germination period 2 weeks. Sun.

Cultural Note: Sow in open, in warm, sandy soil. Do not water after they begin to bloom, else flowers may drop. For perfect shaped specimens, train vines on fence or trellis. Do not pick fruits until individual stems are brown and fingernail will not dent shell. After picking hang in an airy, dry place to cure. Large, hard-shelled varieties are usually scrubbed and painted; small, colorful varieties wiped free of dust and given a light coating of varnish or shellac.

LARGE GOURDS

Sugar Trough	SMALL GOURDS
Dish Cloth	Spoon
Bottle	Pear
Longissima	Egg
Cave Man's Club	Bicolor
Large Sorts Mixed. Oz. 40c; 1/2-oz. 25c; Pkts. 10c.	Pkts. 10c

Warped Varieties Mixed.

Small Sorts Mixed. All varieties, oz. 60c; 1/2 oz. 35c; Pkt. 15c.

LATHYRUS latifolius, Perennial Sweet Pea, Per. Vine.

lath'-i-russ. Sun.

Red, pink, and white sweat-pea flowers (not fragrant) in clusters, on vine best as trailer and ground-cover; sow November to May. Germination period 3 weeks.

Pink Beauty; White Pearl; Red; Mixed. Pkts. 10c.



PASSION VINE



THUNBERGIA ALATA

MILE-A-MINUTE VINE, *Ipomoea dissecta*. Vine. Sun.

Creamy-white, wine-red-centered, medium-sized flowers open all afternoon on fast-growing vine with lovely lacy foliage; notch seeds or soak overnight; sow April to June. Pkt. 15c.

MINA LOBATA, Flag of Spain. Vine. Sun.

Red changing to yellow, tubular flowers in clusters on rapid vine, with beautiful lobed leaves; sow February to May; notch seeds, or soak for surer germination (period is 2 weeks). Pkt. 15c.

MOON VINE, *Ipomoea noctiflora*. Per. Vine. Sun.

Pure white, large flowers open at night, on rapid climber; sow February to April, notching the seeds or soaking 24 hours. Germination period 40 to 60 days. **White Moonflower.** Pink, open at night and early morning. Pkt. 15c.

MORNING GLORIES. Vines. See also Cardinal Climber, Cypress Vine, and Mile-a-Minute Vine. Sun.

Rapid very showy annual vines; sow March to June, soaking seeds 24 hours. Germination period 10 to 21 days. For best bloom, never fertilize, and water very sparingly.

CONVOLVULUS SPECIES: Major Blue; Major Mixed. Oz. 25c; Pkts. 10c.

IPOMOEA SPECIES:

Heavenly Blue, Clarke's Early-flowering, sky-blue, 4-inch flowers, with yellow throat.

Pearly Gates, a satiny white sport of Heavenly Blue, very similar in form and vigor.

Scarlet O'Hara, new deep rosy-crimson.

Darling, Rich rose, with white eye.

Rose Marie, double deep rose flowers, produced early and freely.

All above, Pkts. 15c.

PASSION VINE, *Passiflora edulis*. Per. Vine. Sun.

Beautiful and interesting waxy blue-and-white flowers on attractive vine, evergreen in mild climates, apt to winter-kill in severe; fruits edible, and much-prized for the strongly-flavored juice; sow March to July. Germination period 30 to 40 days. Pkt. 15c.

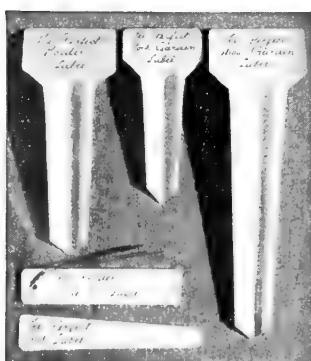
SCARLET RUNNER BEAN. Vine. Sun.

Bright red pea-flower on rapid vine with large edible pods; sow February to May. Lb. 75c; 1/4-lb. 25c; oz. 10c.

THUNBERGIA alata, Black-eyed Susan. thun-ber'-ji-a. Sun. Orange, yellow white, large flowers with black centers on vigorous trailer; sow February to June. Germination period 2 weeks. **Mixed.** Pkt. 10c.
THUNBERGIA Gibsoni. Per. Vine. Sun.

Rich orange, large and showy flowers on tender climber or trailer, for greenhouse or sheltered position outdoors; sow inside, anytime; outside, April to July. Germination period 2 weeks. Pkt. 25c.

Keep Track with "Perfect" PERMANENT LABELS



Made of heavy green celluloid composition. Takes lead pencil marks perfectly. Weather proof in all soils and seasons.

Tie-on Label. 3 1/2 in. x 3/4 in. Doz. 45c, 100, \$3.60.

Pot Label. 4 in. x 3/4 in. Doz. 40c; 100, \$3.00.

Border Label. 5 in. x 2 in. wide. Doz. \$1.25; 25, \$2.40.

Rock Garden Label. 4 x 1 3/4 in. Doz. \$1.15; 25, \$2.00.

Show Garden Label. 7 x 2 1/8 in. Doz. \$1.50; 25, \$2.90.

PLANT IN FULL SUN

Sow in Spring
Agrostemma
Alyssum
Aster
Calliopsis
Carnation
Centaurea
Cleome
Cosmos
Helianthus
Marigold
Zinnia

Sow in Fall
Antirrhinum
Arctotis
Calendula
Campanula
Coreopsis
Delphinium
Dimorphotheca
Gaillardia
Hollyhocks
Phlox
Poppies
Stocks

**SHADE GROWING**

Sow in Spring
Aquilegia*
Begonia
Cineraria
Coleus
Foxglove
Impatiens
Huechera*
Primula
Vinca*
Campanula*

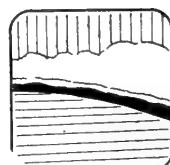
Sow in Fall
Calceolaria
Bellis*
Collomia*
Myosotis
Browallia
Pansy*
Cyclamen*
Godetia*
Linaria*
Nemophila*

*Denotes those for partial shade.

**FOR EDGING**

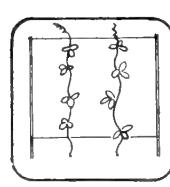
Sow in Spring
Ageratum
Begonia
Dianthus
Gazania
Lobelia
Marigold dwarf.
Petunia
Zinnia

Sow in Fall
Alyssum
Arabis
Bellis
Candytuft
Dusty Miller
Nemesia
Pansy
Virginian Stock

**VINES FOR CLIMBING**

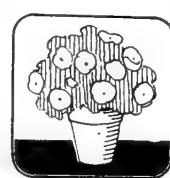
Asparagus
Australian Pea
Balloon vine
Canary Bird vine
Cardinal climber
Cobaea
Cypress vine
Hyacinth Bean
Gourds

Sow in Spring
Lathyrus latifolius
Mile-a-Minute
Mina lobata
Moon vine
Morning Glory
Thunbergia
Snail vine
Scarlet Runner
Wild Cucumber

**GOOD POT PLANTS**

Sow in Spring
Begonia
Coleus
Gloxinia
Lobelia trl.
Mimulus
Nierembergia
Saintpaulia
Primula

Sow in Fall
Browallia
Campanula per.
Cineraria
Cyclamen
Gesneria
Pansy
Primula
Schizanthus

**FLOWERS SUITED FOR CUTTING**

Sow in Spring
Carnation
Centaurea
Cosmos
Dahlia
Dianthus
Marigold
Nicotiana
Scabiosa
Sweet Sultan

Sow in Fall
Anthirrhinum
Calendula
Campanula
Coreopsis
Gaillardia
Pansy
Stock
Sweet William
Verbena

**FRAGRANT FLOWERS**

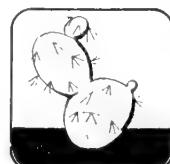
Sow in Spring
Carnation
Dianthus
Heliotrope
Nasturtium
Nicotiana
Sweet Sultan
Sweet William

Sow in Fall
Alyssum
Candytuft
Matthiola
Mignonette
Stock
Sweet Pea
Wallflower

**NEEDING LITTLE WATER**

Sow in Spring
Ageratum
Calliopsis
Centaurea
Cosmos
Dianthus
Euphorbia
Four o'Clock
Helianthus
Marigold
Petunia
Scabiosa
Tithonia
Zinnia

Sow in Fall
Alyssum
Arctotis
Brachycome
Erowallia
Candytuft
Dimorphotheca
Coreopsis
Gaillardia
Hollyhock
Statice
Verbena



Campbell's Selected Vegetable Seeds for 1951 Gardens



All Vegetable Packets 10c, Except Where Noted.
Quantity Prices Quoted on Request.

ARTICHOKE, Green Globe. Edible, buds, large, green and broad at base, attractive thistle-like foliage. Sow September to April, 1 inch deep. Save least spiny seedlings; set 4 feet apart. Will bear in 2 or 3 years.

ASPARAGUS, Mary Washington. Excellent, rust resistant variety, producing early crops of heavy green shoots. Sow March to May; transplant in February; use second year.

PARADISE. A new and superior variety, producing a crop 1 year earlier than most varieties, and yielding more heavily.

BEANS. Sow April to July.

BUSH. Bountiful, early wax; very prolific; stringless.
Stringless Greenpod. The favorite; meaty; stringless.

Canadian Wonder. Excellent late variety.

POLE, Kentucky Wonder. Fine flavor, rust resistant.
Kentucky Wonder White Seeded. Excellent, 10 days earlier.

Kentucky Wonder Wax. Very prolific, delicious.

Potomac. Green, tender, round pod, fine quality.

BEANS—LIMA.

BUSH (Fordhook). Fine quality, large, plump.
Henderson's Bush. Baby Lima. Heavy bearer, beans small, delicious.

POLE, Challenger. 10 to 15 feet vines, long pods of splendid quality; beans which stay green.
Pkts. 15c.

BEETS, Table. Sow January to December, all year in mild climates. Greens fine vitamin source.

Detroit Dark Red. One of the finest beets for home gardens, symmetrical deep blood red.

Early Egyptian. For home and market garden, deep crimson, zoned, roots flattened globe-shaped, small fine tops.

BROCCOLI, Italian Green Sprouting. Early strain, large compact heads should be cut before flowers appear. Sow August to January.

BRUSSELS SPROUTS, Long Island Improved. Dwarf plants producing quantities of small cabbage-like heads successively; fine flavor.

CHINESE CABBAGE, Chihili. Head 18 inches tall, very firm, well blanched, crisp, tender, sweet. Very early and sure heading.

Wong Bok. Head 8-10 inches tall, broad, firm, tender, well blanched.
Sow Cabbage July to March.

CAULIFLOWER—Early Snowball. Dependable variety with early heads, good quality. Sow August to January. Pkt. 25c.
Winter Cauliflower. Firm-heading Broccoli-Cauliflower type, fine large white heads. Sow in Summer. Pkt. 25c.

CABBAGE—Copenhagen Market. Early, round, solid, sweet, white.

Golden Acre. Second early, solid, round heads.

Savoy. Sweet, curled, dark olive green, late.

Danish Ball Head. Large, flattened globe heads, firm, splendid keeper, late.

New Large Red. Crisp, fine quality, late.

PLANT VEGETABLES FOR A CONTINUOUS SUPPLY

It is often desirable and practical to extend the harvest period of certain quick maturing vegetables by making a succession of sowings. Thus, after the first sowing, a second one is made a week or two later and possibly a third or fourth so that as the first crop is harvested and gone the second will be ready to harvest. Most of this planning is guess work without some knowledge of the duration or time a crop is in condition for picking.

The following table is intended only as a guide in planning succession plantings, since exposure and weather conditions and the family needs of a crop make it at best an approximation.

Variety	Harvest Lasts	Variety	Harvest Lasts
Beans	4 weeks	Onions (sets)	4 weeks
Beets	6 weeks	Peas	2 weeks
Carrots	8 weeks	Radish	3 weeks
Cucumbers	4 weeks	Spinach	2 weeks
Endive	6 weeks	Sweet Corn	10 days
Kohlrabi	3 weeks	Turnips	2 weeks
Lettuce	6 weeks		

Care should be taken to observe the planting seasons in the chart at the left so that sowings are not made "out of season."



STRINGLESS GREEN POD BUSH BEANS

CARROTS—Chantenay. Red-orange, stump-rooted carrots, 5 to 6 inches long.

Danvers Half Long. Crisp, tender, bright orange, 6 to 7 inches long.

French Forcing. Earliest, small, red-orange carrot, fine flavor.
Imperator. Popular market and home variety, 8 inches long, stump rooted, cylindrical, deep orange. Sow Carrots any time.

CELERY—Golden Detroit. Self-blanching, compact, full hearted.
Utah. Early, green type, solid, with rich, nutty flavor.

CELERIAC. Globular-rooted celery, unusual, delicious.

CHICORY—French Endive. One of most attractive salad vegetables. The blanched leaves have a tangy, mildly acrid flavor. Sow October to May.

CHIVES. Small perennial of the Onion family, leaves used in flavoring salads, soups, stews. Has attractive pink flowers. Sow August-April.

COLLARDS—Georgia. Non-heading greens of the Cabbage family, hardy, rich in vitamins. Sow August to March.

CORN. Sow March to August. Best planted in several rows for better pollination.

Golden Bantam Improved. Sweet, tender, 8-inch ears.

Golden Cross Bantam. Best hybrid, disease resistant, fine flavor.

Black Mexican. Kernels white at table stage, tender, rich, and sweet.

Country Gentleman. Small, deep, sweet kernels, long cob.

Oregon Evergreen. Fine, sweet, market variety.

Pop Corn. Golden Hulless.

Field Corns. Golden Dent, Hickory King, Mexican June.

CRESS—Curled or Pepper Grass. Quick growing, frilled, pungent leaves for salad or garnish. Sow any time.

CUCUMBER—Chicago Pickling. Fine for pickling and slicing.

Climbing. Fine quality, space saver.

Lemon. Superior quality for salads and pickling.

Long Green Improved. Fine home garden slicing variety, smooth, even.

Small Gherkin. True West India pickling strain, very prolific. 1½ to 2 inches long, oval. Sow Cucumbers March to July.

Syrian. For the warmer climates, a prolific producer of fine flavor and unusual digestibility eaten raw when young. As it grows older it makes a good cooking vegetable, similar to squash. Pkt. 15c.

DANDELION—Improved Thick Leaved. Compact, rosette type, superior to uncultivated, blanches readily. Sow January to April.

EGGPLANT—Improved Large Purple. Strong plants bearing many large, handsome fruits. Sow in hotbed January to April.

ENDIVE (See also Chicory).

Broad Leaved Batavian, or Escarolle. Early, large heads, blanches readily, sow any time.

Green Curled. Late, medium size, green-ribbed, sow any time.

FENNEL. Bulb at base is eaten sliced raw or cooked, stalks and leaves also have a delicious, aromatic flavor. Sow August to February.

KALE—Tall Green Curled Scotch. Deeply cut leaves, curled at the edges. Vitamin-rich green vegetable. Sow August to April.

Dwarf Green Curled. For greens and garnishing.

Jersey. Thousand headed, smooth leaves, prolific; for feeding poultry.

KOHL RABI—Early Purple Vienna. Globular bulbs with white tender flesh; leaves green with purple veins. Sow August to February.

LEEK—American Flag. Early, mild flavor, short thick stems, fine for flavoring salads and soups. Sow August to December.

LETTUCE—Heading Varieties:

Los Angeles Market (New York). Large dark green crisp heads, best all-purpose variety. Sow any time in mild climates.

Slobolt. New, "slow to go to seed" in hot weather; crisp; Iceberg type.

Bibb. New, early forcing variety, medium head, fine flavor.

Leaf Varieties:

Bronze Beauty. Crisp and sweet, the deeply cut leaves have an attractive bronze sheen; does not go to seed readily in hot weather.

Campbell's Planting Chart for the Home Vegetable Garden

Variety	Seed 100 ft.	In Calif. Sow	Distance rows	Between plants	Cover Seed	Days to Ripen
Beans, Bush	1 lb.	March-Aug.	2-2½ ft.	3-4 in.	2 in.	45-60
Beans, Pole	½ lb.	March-July	3-4 ft.	12 in.	2 in.	50-75
Broccoli	¼ oz.	Aug.-Feb.	2-2½ ft.	16-20 in.	½ in.	100-130
Beets	2 oz.	All Year	1½-2 ft.	3-4 in.	¾ in.	58-80
Cabbage	½ oz.	Sept.-May	2-2½ ft.	16-20 in.	½ in.	90-120
Cantaloupe	½ oz.	April-July	4-5 ft.	3-5 ft.	¾ in.	90-120
Carrot	1 oz.	All Year	1½-2 ft.	2-3 in.	¼ in.	70-100
Celery	¼ oz.	All Year	1½-2 ft.	4-5 in.	½ in.	120-150
Celtuce	¼ oz.	All Year	1½-2 ft.	12 in.	¼ in.	60-85
Corn	8 oz.	March-Aug.	30-42 in.	9-12 in.	2 in.	75-100
Cucumber	1 oz.	March-Aug.	4-5 ft.	1½-3 ft.	1 in.	60-90
Eggplant	1 oz.	Jan.-April	3-4 ft.	3-3½ ft.	¼ in.	120
Endive	1 oz.	All Year	1½-2 ft.	8-10 in.	⅓ in.	90
Lettuce	½ oz.	All Year	1½-2 ft.	½-1 ft.	⅓ in.	60-90
Mustard	½ oz.	All Year	1½-2 ft.	6-9 in.	⅔ in.	60
Onion	½ oz.	Aug.-April	1½-2 ft.	3-4 in.	¼ in.	140-180
Parsley	¼ oz.	All Year	1 ½ ft.	3-6 in.	¼ in.	90
Peas	1 lb.	Sept.-March	2-3 ft.	1-2 in.	1½ in.	60-230
Pepper	¼ oz.	Jan.-April	2½ ft.	2-2½ ft.	¼ in.	90-120
Radish	1 oz.	All Year	1-1½ ft.	1-2 in.	¾ in.	21-36
Spinach	1 oz.	Sept.-March	1-2 ft.	5-6 in.	⅔ in.	40-60
Squash, Summer	2 oz.	March-Sept.	4-5 ft.	3 ft.	1 in.	60-75
Squash, Winter	1 oz.	April-Aug.	6-8 ft.	5-6 ft.	1 in.	90-120
Swiss Chard	1 oz.	All Year	1½-2 ft.	1 ft.	¾ in.	90
Tomato	¼ oz.	March-Sept.	3-4 ft.	3-4 ft.	¼ in.	60-90
Turnip	½ oz.	Sept.-March	1-2 ft.	3-7 in.	¼ in.	75-130
Watermelon	½ oz.	April-Aug.	8-10 ft.	8 ft.	1 in.	90-120





UTAH CELERY

Early Curled Simpson. Crisp, tender, broad leaves crumpled and frilled.

Oak Leaf. Leaves deeply cut, tender and sweet, grows well in hot weather.

Prize Head. Very early, loose-leaf, tender and sweet, outer leaves edged red, inner leaves wholly green, attractive in the salad bowl. Sow all these varieties all year in mild climates.

MELONS—Muskmelons:

Cranshaw. A new melon with a rich, spicy flavor, solid and meaty.

Hale's Best. Thick salmon-orange flesh, sweet, aromatic flavor.

Honey Dew. Very sweet, green flesh.

Persian. Flesh thick, bright orange; distinct delightful flavor if thoroughly ripened on the vines.

Tip Top. Profitable, popular melon for local markets, flesh salmon-yellow, very juicy, sweet, rich flavor.

Golden Beauty Casaba. Requires semi-tropical conditions for best development, large globular fruit, flesh very thick, white, juicy and sweet.

Watermelons:

Chilian, Black Seeded. Rather small, round melon, rind medium green, striped darker, flesh bright deep red, very sweet.

Klondike. Large, oblong dark green, flesh red, crisp, fine quality.

Klondike Striped. Light green with dark, rattlesnake striping, rind thin, tough, very popular for its crisp sweetness.

Schling's Midget. New, very sweet, 6 inches long, 7 or 8 inches in circumference. Just the thing for small families and refrigerators.

MUSTARD—Giant Southern Curled. Peppery leaves for greens. Sow any time.

Mustard Spinach, Tendergreen. Valuable, heavily productive addition to our list of greens for the garden; nice flavor.

OKRA (Gumbo). Pods used in soups, salads, stews, and relishes. Sow April to July.

Dwarf Long Green Pod. Pods tender, 7 to 8 inches long, plants 2½ feet.

Perkins Mammoth Pod. Pods fleshy, ribbed, and tapered, plants 4 to 5 feet.

White Velvet. 6 to 7 inch pods, white, tender, smooth, plants 3 feet.

ONION—Bunching. Tender, garden variety of young, green onion.

Australian Brown. Best keeper, pleasant, mild flavor.

Early California. Red. Large, sweet variety of splendid keeping qualities, excellent for baking and using raw.

Southport White Globe. Fine quality, fairly mild onion, clear white.

Yellow Bermuda. One of most widely used varieties, early flat onion, light, straw-colored skin, mild white flesh.

Yellow Sweet Spanish. Large, mild, amber, fine keeper.

Long Red Italian. Sweet, juicy, used raw in salads and sandwiches.

Sow Onions August to April. Pkt. 15c.

PARSLEY—Extra Triple Curled. Compact, fine for flavoring and garnish.

Hamburg. Thick parsnip-like roots for flavoring.

Plain. Leaves for flavoring.

Sow any time.

PARSNIP—Hollow Crown. Sweet flavor, needs rich soil and plenty of water. Sow August to March.

PEAS—Dwarf; Progress 9. Early, long pods, prolific.

Dwarf Telephone. Later variety, vigorous, long full pods.

Tall! Alderman (Improved Telephone). Medium early, sweet wrinkled peas.

Melting Sugar or Edible Pod. Cook whole pods when peas are half developed, delicious. Sow September to February. Pkt. 15c.

PEPPER—California Wonder. Sweet, large fruits, green when young, turning bright red, very productive over long season.

Pimiento. Thick, sweet flesh of splendid flavor, heart-shaped, fine for canning; deep green, turning deep red.

Anaheim Chili. Mildly hot and pungent, popular for drying and canning.

Floral Gem. Small, hot, for sauces and pickling, green, white, and red. Sow peppers in hot beds January to April.

PUMPKIN—Connecticut Field. Very large, for pies, canning, and stock.

New England Pie (Sugar). Earliest and best for pies.

Sow March to July.

RADISH—Early Scarlet Globe. Small, sweet, crisp.

French Breakfast. Small, olive-shaped, fine flavor, forcing type.

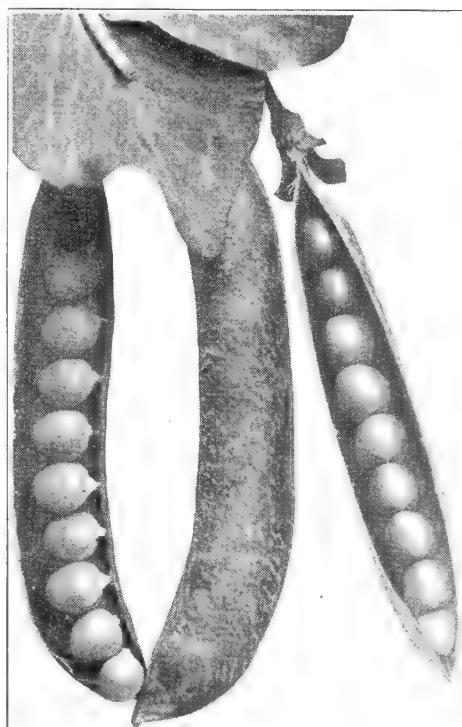
Icicle. Best early white; crisp and mild.

Scarlet Turnip, White Tipped. Handsome rosy carmine, good keeper.

Winter Varieties, Chinese White Winter. Crisp and mild, 8 inches long.

Round Black Spanish. Skin black, flesh white, crisp, pungent, good keeper.

Sow Winter varieties July and August. Others any time.



IMPROVED TELEPHONE PEAS

SPINACH—Dark Green Prickly Seeded. Best Winter variety for garden and canning, large crisp leaves.

Viroflay. Best warm weather sort, enormous yield, large, tender.

New Zealand. Vine type; the small, thick, dark green leaves may be gathered repeatedly without pulling the vines. Sow September to March.

SQUASH—Summer:

Early Green Bush Scallop. Popular, small, keeps its light green color longer than other varieties.

Yellow Crookneck. Rich in color and flavor.

Yellow Straightneck. Like Crookneck, but more practical for shipping and paring.

Winter:

Banana. Pinkish orange flesh, sweet, rich flavor.

Hubbard. Best Winter keeper, flesh deep yellow, very smooth and fine grain, matures in early Fall.

Table Queen. Popular home variety, small, acorn shaped, fine flavored. Sow in Spring and Summer.

SWISS CHARD—Large Ribbed Dark Green. Leaves for greens, leaf stalk good asparagus substitute.

Lucullus. Very choice "greens," richly colored, fine ribbed. Sow January to September, any time in mild climates.

Rhubarb Chard. Looks like small-leaved Rhubarb, delicious cooked, striking in garden and flower arrangements, grows quickly, continues for several months. New. Pkt. 15c.

TOBACCO—White Burley. Pkt. 15c.

TOMATO—Earliana. Very superior in earliness and quality, deep scarlet, firm and smooth.

Marglobe Supreme. Fine all-around variety, large, round, smooth fruit, thrifty, productive, disease resistant plants.

Norton Stone. Deep scarlet, large, flat, but smooth, disease resistant, fine flavor, very productive.

Pearson Improved. New, scarlet, medium size, smooth, thick skinned; for canning and shipping; vine compact.

Ponderosa (Beefsteak). Large, mild flavored deep pink.

San Marzano. A scarlet Italian variety, almost cylindrical, very solid, juiceless, used for tomato paste and sauce, bears heavily.

Trip-L-Crop Climbing. New, space-saving tomato, producing quantities of good size, rich red fruit in clusters; vines 10 to 12 feet tall.

Small Sorts for Salads and Preserving:



EGGPLANT, IMPROVED PURPLE



SWEET SPANISH ONION

Red Cherry. Small, round, deep red.

Yellow Pear. 2-inch, sweet, pear-shaped fruit, long season.

Ground Cherry or Yellow Husk. Yellow-green in husks, rich sweet flavor, prized for preserves and pies. Sow January to March in hotbeds, outside in April. Pkts. 15c.

TURNIP—Purple Top White Globe. Fine table variety.

Seven Top. For greens.

Snowball. Sweet, fine-grained white.

Orange Jelly. Best yellow.

Rutabaga, Yellow. Swedish Turnip. Large, mild, sweet. Sow September to March. Pkt. 10c.

Herbs

For flavor, fragrance, and garden-ornament. Start in flats in the Fall; transplant later on open ground.

Anise. With fragrant, pungent seeds.

Balm. Lemon scented.

Basil. For flavoring from seeds and leaves.

Borage. Adds zest to salads.

Caraway. For seeds on cakes and candies.

Catnip or Catmint. Leaves for seasoning.

Chervil. For salads.

Chives. Listed elsewhere.

Coriander. Seeds used for flavoring in cakes and candies.

Dill. Seeds used as condiment and in pickles.

Fennel. Sweet seeds used in confections.

Lavender. Flowers fragrant fresh or dried.

Marjoram. Leaves and shoots for flavoring.

Rosemary. Leaves for seasoning meats and eggs.

Sage. Leaves for seasoning meats and stuffings.

Summer Savory. For seasoning meats and sauces.

Sorrel. For tangy salads.

Thyme. For meat seasoning and medicines.

Pkt. 10c.

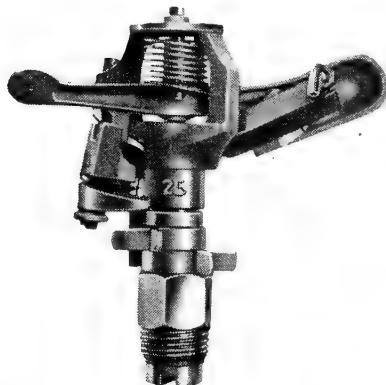
DOMESTIC PARCEL POST RATES
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc.,
within the United States and Possessions.
Effective October 1, 1932.

	First pound or fraction	Each additional pound or fraction	
		2 to 10 lbs.	11 to 70 lbs.
Local—Pasadena	10c	1c	0.75c
First and Second Zone within 150 miles of either	12c	2.1c	2c
Third Zone within 150 to 300 miles	13c	3c	2.8c
Fourth Zone within 300 to 600 miles	14c	4.5c	4.25c
Fifth Zone within 600 to 1000 miles	15c	6c	5.5c
Sixth Zone within 1000 to 1400 miles	16c	7.5c	7.25c
Seventh Zone within 1400 to 1800 miles	17c	9.5c	9.25c
Eighth Zone all over 1800 miles	18c	11.5c	11.25c

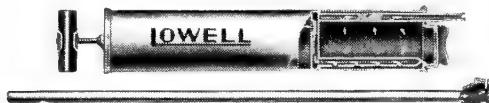
VIGORO—FOR LAWNS, FLOWERS, SHRUBS, TREES

GARDEN AIDS— Make Gardening a Pleasure

Add Postage to Prices. See Page 34 for Parcel Post Rates.



Rainbird Sprinklers. "For a lot or a landscape." Adjustable, automatic sprinklers which cover a large or small radius with a simple hand adjustment. They may be installed on portable stands with hose, or on a permanent buried water pipe. There are many models priced from \$3.00 (full circle, unadjustable) to \$11.40. Model 25 illustrated is \$6.20. 1 lb.

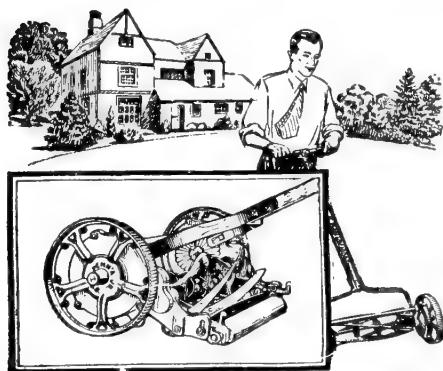


Garden Duster. The dependable Lowell, with an extension tube for putting pest control dusts where you need them. \$2.10. Mailing weight, 1 lb.



Sprayer. The quart glass jar Lowell sprayer, adjustable nozzle. \$2.65; weight, 3 lbs. Tank Sprayers, \$7.50 to \$26.00.

**YOU'LL REALLY ENJOY
CUTTING THE GRASS
with a
PENNSYLVANIA**



Pennsylvania Mowers. The standard of quality. All models are 5 bladed and self-sharpening.

Pennsylvania Jr. has 3 sturdy gears on each side for easy cutting, the best rubber tires, high or low wheels, 17 or 18 in. blades. \$41.50.

Great American. rubber tired, 17 in. blades, \$33.50; 15 in. blades, \$31.75.

Penna Lawn. rubber tired, 16 in., \$22.50.



Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries, now available for home use. Equipped with regular hose connection for attaching to hose or pipe. Price, No. 0, 12 ft., \$1.50; No. 1, 18 ft., \$2.00; No. 2, 30 ft., \$3.00; No. 3, 50 ft., \$4.95. Weight, No. 0, 1, 2, 1 lb., No. 3, 2 lb.

HORMODIN POWDER

Reg. U. S. Pat. Off.

The Hormone Powder for rooting cuttings faster and better. Available in three strengths as Hormodin Powder No. 1 for house, garden, and greenhouse plants; Hormodin Powder No. 2 for woody and semi-woody plants; Hormodin Powder No. 3 for evergreens and trees.

Hormodin No. 1 for Geraniums.

Hormodin No. 2 for Azaleas.

Hormodin No. 3 for Camellias

Pkgs. \$1.00 each.



The Handy Plant Tie

8-inch length, pkg. of 100, 25c.

16-inch length, pkg. of 100, 25c.

New 250-foot roll, \$1.00.



Have Every Feature You Want
in a Garden Glove

**All-Leather—DIRT PROOF—Durable
SOFT—Comfortable -- WASHABLE**

**Destruxol Spray**

A contact and fumigating spray for aphids, thrips, mealy bug, etc. Does not injure flowers or foliage. Especially desirable for spraying vegetables, as it leaves no residue. One ounce makes 3 to 5 gallons of spray. 1 oz. 35c, postpaid 40c; 4 oz. \$1.00, postpaid \$1.10.

**Super Destruxol Emulsion**

(Contains Nicotine)

A stable oil emulsion containing vegetable, mineral and organic oils combined with free Nicotine; controls insect life by suffocation, penetration and by contact; is effective against scale, mealy bug, red spider, etc. 8 oz. 55c, postpaid 60c; 1 qt. \$1.65, postpaid \$1.75; 1 gal. \$3.50, postage extra.

**Fungusol Emulsion**

A combination of oils, ether, copper and free nicotine; is both an insecticide and fungicide; especially recommended for the control of rust, mildew, aphids, thrip, rot and blight. 4 oz. 50c, postpaid 60c; 8 oz. 75c, postpaid 85c; 1 pt. \$1.25, postpaid \$1.10; 1 qt. \$2.00, postpaid \$1.90.

Calsul

Perfectly blended and stable emulsion of lime sulphur and oil. An excellent dormant spray and for general garden cleanup throughout the season. For citrus and deciduous fruit trees. 1 qt. 85c; gal. \$2.10, f.o.b.

Destruxol Sowbug and Cutworm Bait

An effective bait for these pests. Combines the poisoning agent with a natural food, thus enticing them to eat. Scatter bait wherever desired. 8 oz. 30c; 1 lb. 55c; 2½ lbs. \$1.10.

**Destruxol Orchid Spray**

An emulsion for Orchids and other exotic plants. Controls Thrips, Aphid Mites, Orchid Scale, Fungus Gnats. Fine for Begonias, Fuchsias, and delicate Ferns. Does not spot flowers. 4 oz. bottle 70c, postpaid 80c; 8 oz. \$1.10, postpaid \$1.20; 1 pint \$1.80, postpaid \$1.90.

**GROW BULBS FROM SEED**

PACKETS 25c EACH

AGAPANTHUS. Blue Lily of the Nile. 6-8 inch mid-blue clusters on 2-3 ft. stems, evergreen foliage, summer bloom.

ALLIUM. Neapolitanum. White flower clusters, 1 ft. tall. March-May bloom.

ALSTROEMERIA, see page 5.

AMARYLLIS, see page 5.

ANEMONE. De Caen Single Mixed. White, Blue and Red shades. St. Brigid Double and Semi-double Mixed. 1 ft., March bloom.

CANNA, see page 8.

CYCLAMEN NEAPOLITANUM. Hardy, outdoor Cyclamen producing an abundance of medium sized Rose Pink flowers much like those of the hot house varieties. A gem for shade rockeries.

CYCLAMEN ALBUM. The perky white variety, very effective for naturalizing.

CYCLAMEN GIGANTEUM, see page 10.

DAHLIA, see page 10.

FREESIA. Rainbow Mixed, 1-2 ft., May to August bloom. White, the old fashioned, extra fragrant.

FRITILLARIA meleagris. Checkered Lily. White, Yellow and Purple shades Mixed. 2-3 ft., summer bloom, shade.

GALTONIA candicans. Fragrant, white bells, 2-3 ft., summer bloom, sun.

GLADIOLUS gandavensis. Mixed shades of Red, Yellow, Orange. 3 ft., spring and summer bloom.

INCARVILLEA, often called "Hardy Gloxinia." Showy Crimson flowers rising above a fluffy cluster of fern-like leaves. A hardy perennial, blooming in summer.

IRIS Siberian. White and Blue shades. 3 ft., mid-summer. Dicotoma, Vesper Iris, cream to violet, fragrant, August.

MOREA glaucopis. Butterfly Iris. White with Blue and Yellow markings, 1½-2½ ft., blooms every month in mild climates.

SCILLA Peruviana. Peruvian Lily. Large flat cluster of mid-blue flowers, 1 ft., April-May bloom.

TIGRIDIA. Mexican Shell Flower. Shades of Red, Yellow, Rose, and Purple, 1-2 ft., summer bloom.

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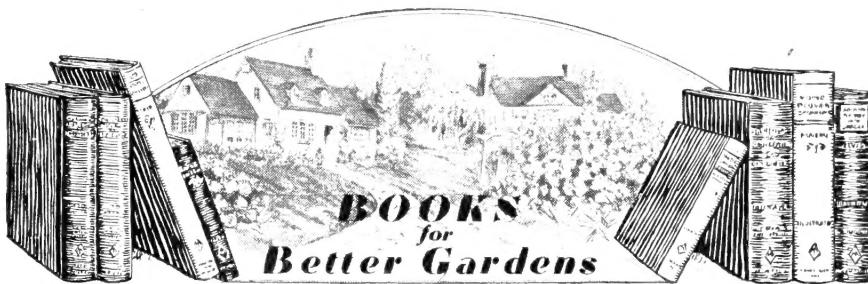
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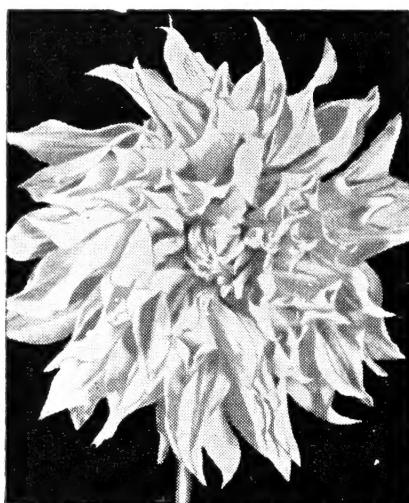
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ABBREVIATIONS: L.D., Informal Decorative; F.D., Formal Decorative; S.C., Semi-Cactus.

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Ailsa Belle. I.D. Informal, of good size, on extra long stems. The color is raspberry red with a lighter reverse. \$1.00.

Deep Velvet. I.D. Deep rich velvety cardinal. Can be grown over 8 inches but will in most cases be a B dahlia. Long stems and a rugged grower. A real winner. \$1.50.

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The Cardinal. S.C. A new prize winner. The brilliant cardinal red blooms, 10 to 12 inches across, are borne on long cane-like stems. A real addition to any Dahlia collection. \$4.00.

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September. I.D. Bush 5 feet. Tangerine orange with soft scarlet suffusion, giving it a rather even reddish Autumn tone. Rugged grower coming into bloom medium early. A very satisfactory dahlia. \$1.50.

Col. Little. I.D. 1946 Introduction. A very showy, brilliant scarlet-orange with curly, twisting deeply notched petals showing a lighter reverse. Blooms 10 to 11 inches across with excellent depth. On both Eastern and Western Honor Rolls. \$1.50.

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Great Lakes. I.D. Bloom 10x4; bush 4½ feet. An easy to grow white with early blooms very lightly tinted lavender at tips. Stems long and stiff. Winner of three Achievement Medals and on three Honor Rolls. \$2.50.

The Real Glory. F.D. A top notch pure white Dahlia. Free bloomer on strong healthy bush. Good keeper. \$1.25.

Jean Kerr. F.D. A medium sized white, unsurpassed as a cut flower of the formal type. Useful for exhibition. Free blooming. 75c.

BICOLORS

Dixie's Wine Dot. A-I.D.-Var. (Hendricks.) A variegated white, splashed with wine color. Blooms can be grown to 12 inches in diameter with corresponding depth. Winner of the American Home Achievement Medal at Chicago.

Silver Meteor. F.D. A very large, wide petaled flower in a most unusual color combination, lavender-mauve with silver reverse. \$2.00.

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Kemp's Purple Triumph. I.D. Is a rich violet purple which can easily be grown up to 12x7 inches. Stems average about 7 inches above top foliage and are stiff and strong, holding the flower facing. Plant is prolific; foliage heavy and thick. \$3.00.

Town Topic. I.D. This variety has won many ribbons with its rich purple blooms. The crisp flowers are good keepers, about one-third of them tipped with white. \$1.00.

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Kirsten Flagstad. Outstanding in the garden, producing large fine blooms very early and continuously throughout the season. The color is rich gold suffused lightly with apricot. Plants are tall, with flowers held well above the handsome foliage. \$1.50.

Salem Sunshine. I.D. Truly the clear light yellow of New England sunshine. Blooms 10 to 11 inches, bush 6 feet. The large fluffy, airy flowers bloom profusely on fine stems. \$1.00.

Sunburst. I.D. A big strong plant with a huge bloom of rich, deep yellow which keeps exceptionally well. A splendid late variety. \$1.25.

PINK

D-Day. F.D. A medium sized variety of true pink. A fine florists' flower and an excellent candidate for "best bloom" classes at shows. The flowers are well formed, with very good substance, and the stems are ideal. Plants are tall, open growers and productive. \$1.00.

Five Star General. F.D. A formal decorative blend of 11½ to 13 inches. Amaranth pink, blushing into a tyrian pink, then going into a maize yellow toward the center of the bloom. Sturdy plants growing about 6 feet tall. Excellent foliage. Listed on three Honor Rolls. \$3.00.

Kelvin. I.D. One of the greatest dahlias to come out of Australia. Blooms are large and massive, held facing up on strong stems. The color is buff, heavily suffused carmine rose, giving a general color effect of peach pink. Strong plants with exceptionally coarse, broad foliage. \$2.00.

Ogden Reid. I.D. Our selection for the best contemporary Dahlia. Countless huge blooms of a delightful pink "ashes of roses" blend on the strongest growing plant we have seen. A must for the Dahlia fan. \$1.50.

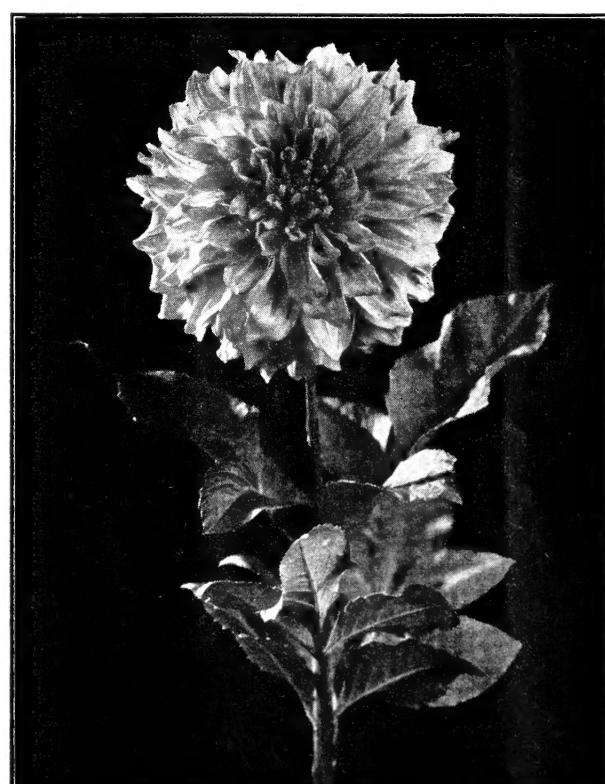
Sarret's Pink Flamingo. S.C. Outstanding with class at shows. Color is Tyrian Pink, center Empire Yellow and tips Roseline Pink. Blooms are well formed and of good substance on excellent stems. A free producer of flowers up to 11 inches across. \$2.00.

LAVENDER

Blue Horizon. I.D. The color is described as French Violet. Flowers large, with good depth. A very free bloomer. One of the best '45 Introductions. \$1.50.

Great Divide. S.C. In this charming variety, delicate pink-lavender blends beautifully into a rich yellow center. The flowers are huge and the plants strong. Performs well in the fall. \$1.25.

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DAHLIA, ATOMIC YELLOW



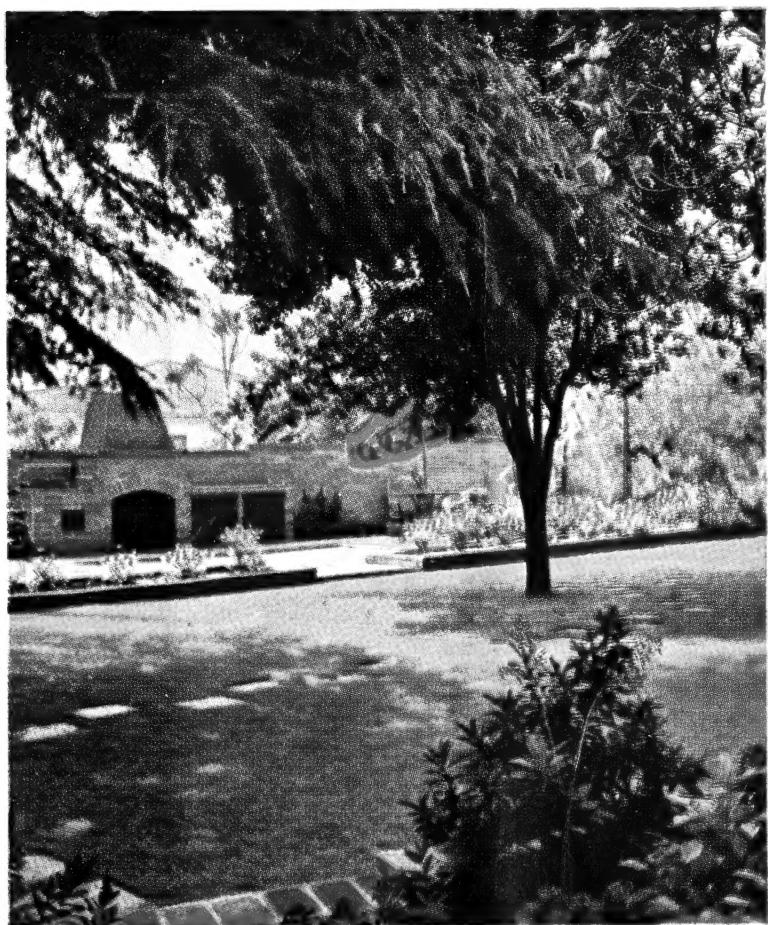
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Early Double Sensation Cosmos produces both fluted and crested flowers, airy and attractive. Pkt. 15c.

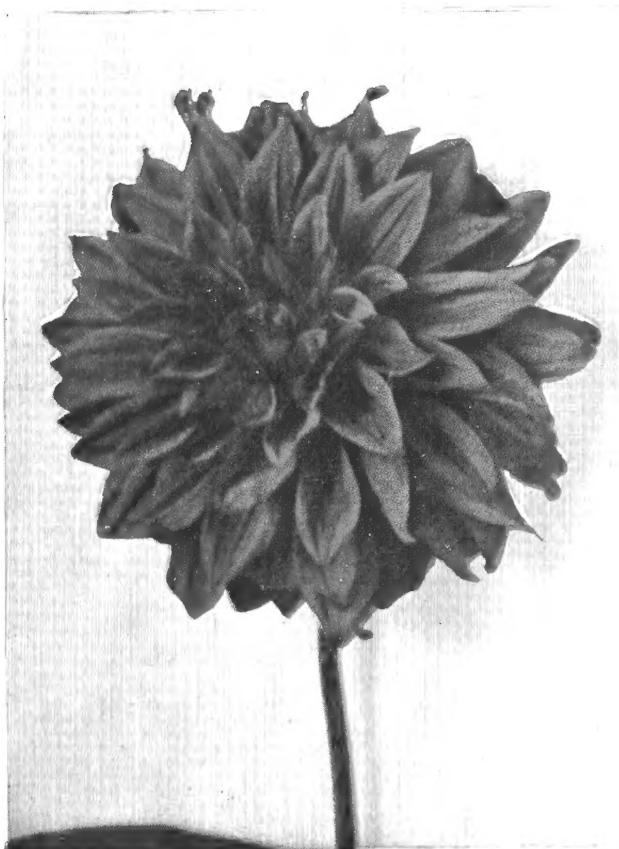


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Unusual colors, big double flowers, compact plants, and spicy fragrance, recommend this imported strain. Pkt. 50c.



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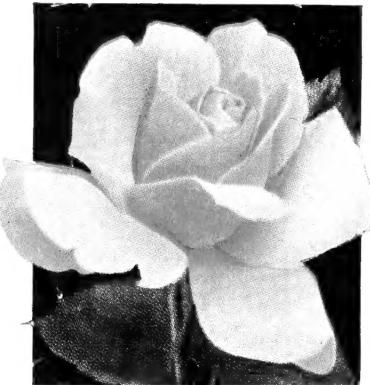
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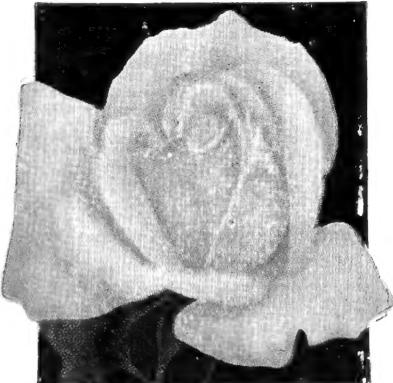
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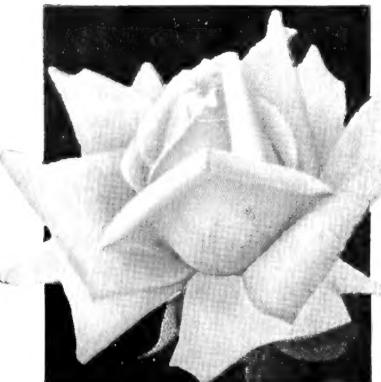
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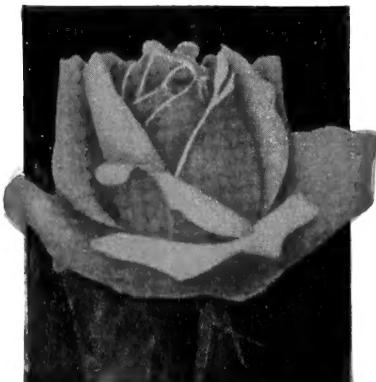
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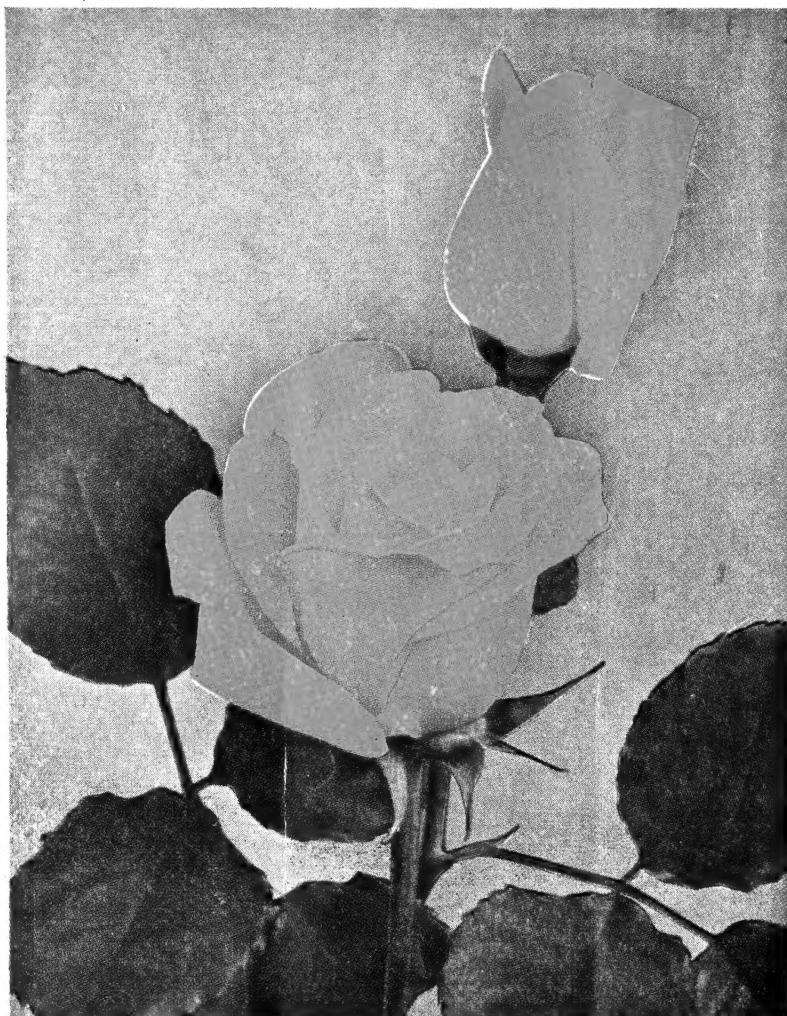
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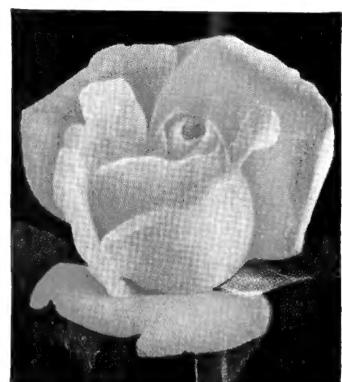


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